SERVICE MANUAL

PARTS LIST

MODEL GX-270D SS

AKAI

GX-270D SS

4-CH / STEREO TAPE DECK

MODEL GX-270DSS

SECTION 1 SERVICE MANUAL 1
SECTION 2 PARTS LIST 29
SECTION 3 SCHEMATIC DIAGRAM 52

SECTION 1

SERVICE MANUAL

TABLE ON CONTENTS

I. TECHNICAL DATA 2
II. DISMANTLING OF UNIT 3
III. CONTROLS 5
IV. PRINCIPAL PARTS LOCATIONS 6
V. MECHANISM ADJUSTMENT 7
VI. HEAD ADJUSTMENT 8
VII. AMPLIFIER ADJUSTMENT 10
1. POWER SUPPLY VOLTAGE AND TAPE SPEED ADJUSTMENT 10
2. RECORDING AND PLAYBACK AMPLIFIER ADJUSTMENT 12
VIII. DC RESISTANCE OF VARIOUS COIL 13
IX. CLASSIFICATION OF VARIOUS P.C BOARDS 14
1. RELATION OF VARIOUS P.C BOARD TITLE AND IDENTIFICATION NUMBER 14
2. COMPOSITION OF VARIOUS P.C BOARDS 15

For basic adjustments measuring methods, and operating principles, refer to GENERAL OPERATING PRINCIPLES AND ADJUSTMENTS.

I. TECHNICAL DATA

TRACK SYSTEM	4 track 4/2 channel compatible stereo system
REEL CAPACITY	Up to 7" reel
TAPE SPEED	7-1/2 and 3-3/4 ips (±0.7%), Pitch Control ±5%
WOW AND FLUTTER	Less than 0.7% RMS at 7-1/2 ips Less than 0.1% RMS at 3-3/4 ips
FREQUENCY RESPONSE	30 Hz to 21,000 Hz (±3 dB) at 7-1/2 ips and 30 Hz to 15,000 Hz (±3 dB) at 3-3/4 ips
DISTORTION	Less than 1% (1,000 Hz "0" VU)
SIGNAL TO NOISE RATIO	Better than 54 dB (measured via tape with peak recording level of +6 VU)
ERASE RATIO	Better than 70 dB
BIAS FREQUENCY	100 kHz
HEADS	(4): One GX 4 Tr. 2-CH/4-CH Playback, One GX 4 Tr. 2-CH/4-CH recording, One Front CH Erase, One Rear CH Erase Head
MOTORS	(3): One AC Servo Motor for capstan drive Two Eddy Current Motors for reel drive
FAST FORWARD & REWIND TIME	75 seconds using a 1,200 ft tape
OUTPUT JACKS	Line (4): 0.775V ("0" VU) Required load impedance/More than 20 k ohms Phone (2): 50 mV/8 ohms
INPUT JACKS	Microphone (4): 0.3 mV Required load impedance/600 ohms Line (4): 70 mV/100 k ohms
SEMICONDUCTORS	Transistors: 43, Diodes: 63, ICs: 12
POWER REQUIREMENTS	CSA, UL, and LA Models: 120V, 60 Hz only CEE Models: 220V, 50 Hz only Other Models: 100 to 240V, 50/60 Hz (Switchable)
DIMENSIONS	440(W) x 465(H) x 190(D) mm (17.3 x 18.3 x 7.5")
WEIGHT	17.8 kg (39.2 lbs)

NOTES: 1. Specifications determined with Scotch #211 tape.

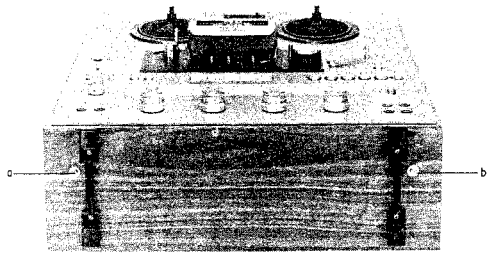
2. For improvement purposes, specifications and design are subject to change without notice.

3. "Surround Stereo" used with permission of Vangard Records.

II. DISMANTLING OF UNIT

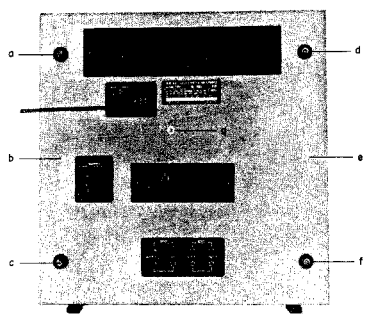
In case of trouble, etc. necessitating disassembly, please disassemble in the order shown in photographs. Reassemble in reverse order.

1



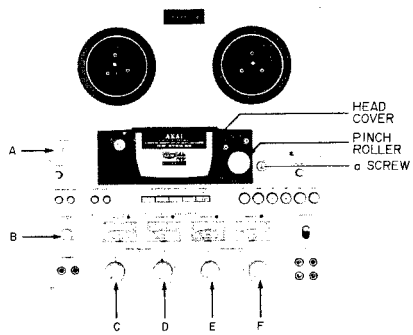
SCREWS

2



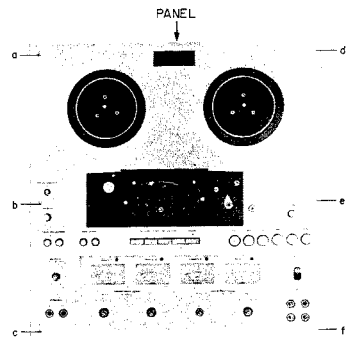
SCREWS

3



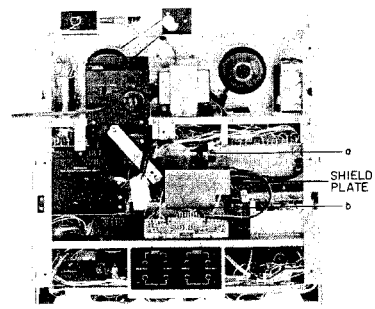
KNOBS

4



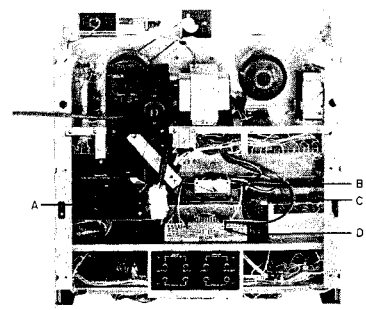
SCREWS

5



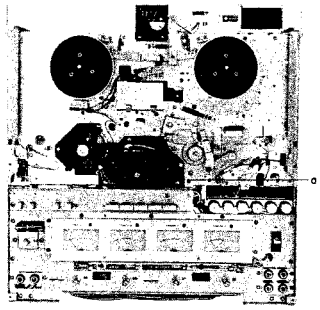
SCREWS

6



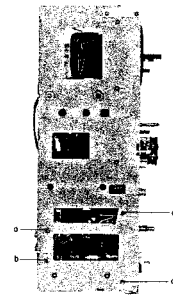
SOKETS, CONNECTOR

7



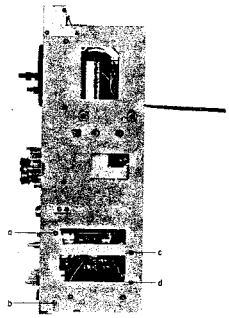
SCREW

9



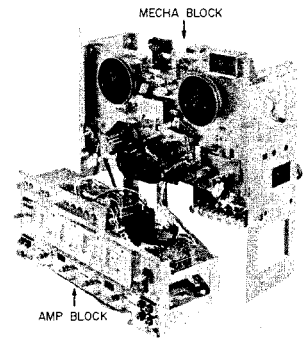
SCREWS

8



SCREWS

10



III. CONTROLS

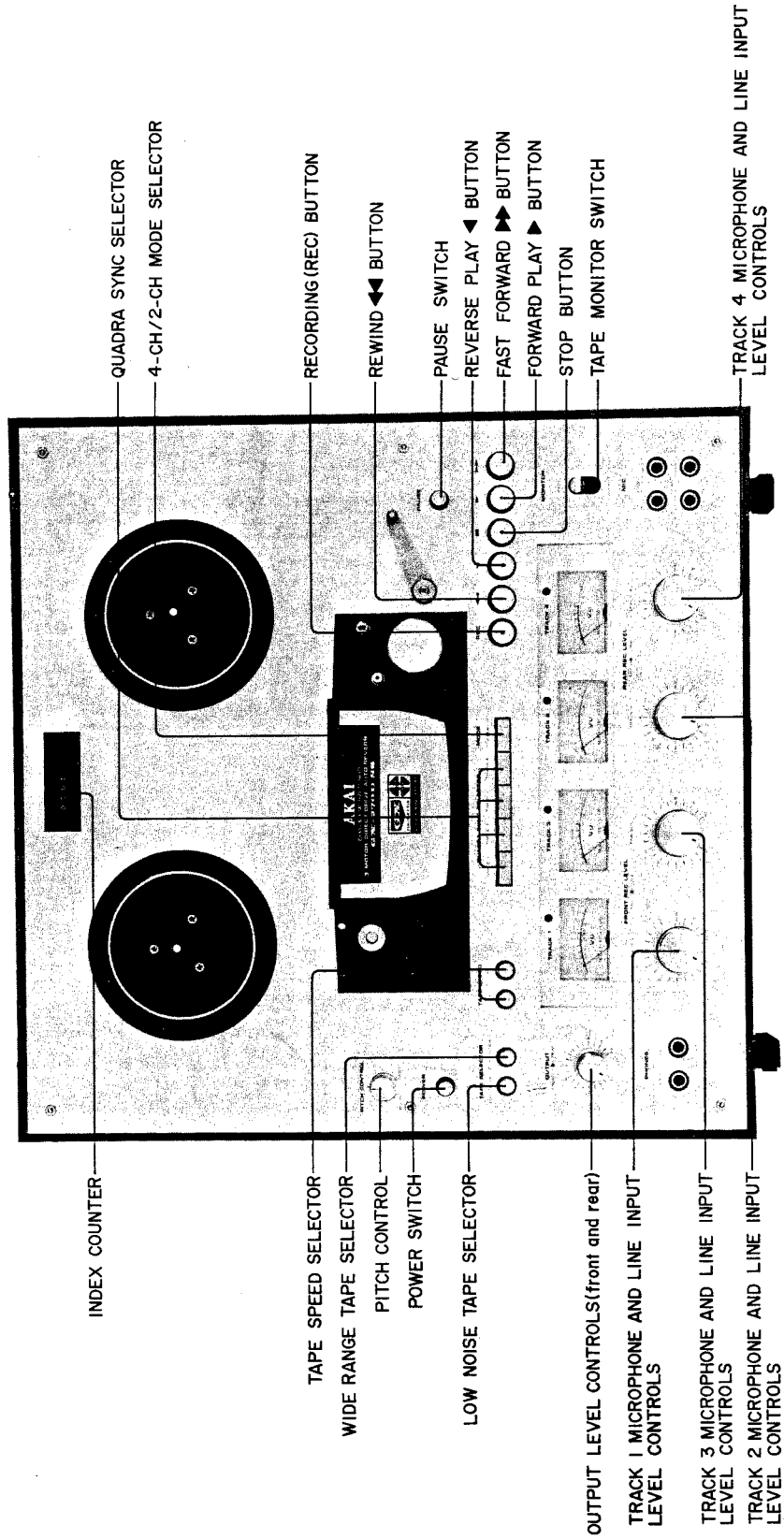

QUADRA SYNC SELECTOR
4-CH/2-CH MODE SELECTOR
RECORDING (REC) BUTTON
REWIND ◀◀ BUTTON
PAUSE SWITCH
REVERSE PLAY ◀ BUTTON
FAST FORWARD ▶▶ BUTTON
FORWARD PLAY ▶ BUTTON
STOP BUTTON
TAPE MONITOR SWITCH
TRACK 4 MICROPHONE AND LINE INPUT LEVEL CONTROLS
INDEX COUNTER
TAPE SPEED SELECTOR
WIDE RANGE TAPE SELECTOR
PITCH CONTROL
POWER SWITCH
LOW NOISE TAPE SELECTOR
OUTPUT LEVEL CONTROLS (front and rear)
TRACK 1 MICROPHONE AND LINE INPUT LEVEL CONTROLS
TRACK 3 MICROPHONE AND LINE INPUT LEVEL CONTROLS
TRACK 2 MICROPHONE AND LINE INPUT LEVEL CONTROLS

Fig. 1 Controls

IV. PRINCIPAL PARTS LOCATIONS

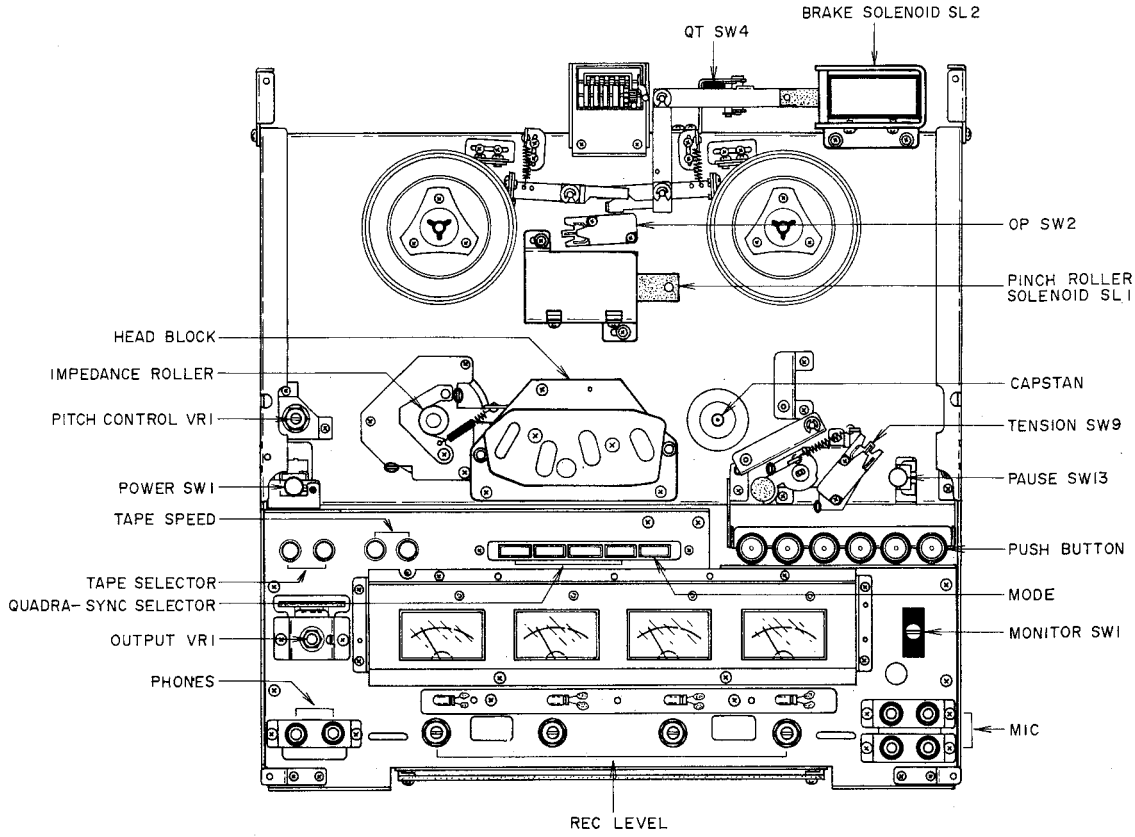


Fig. 2 Front View

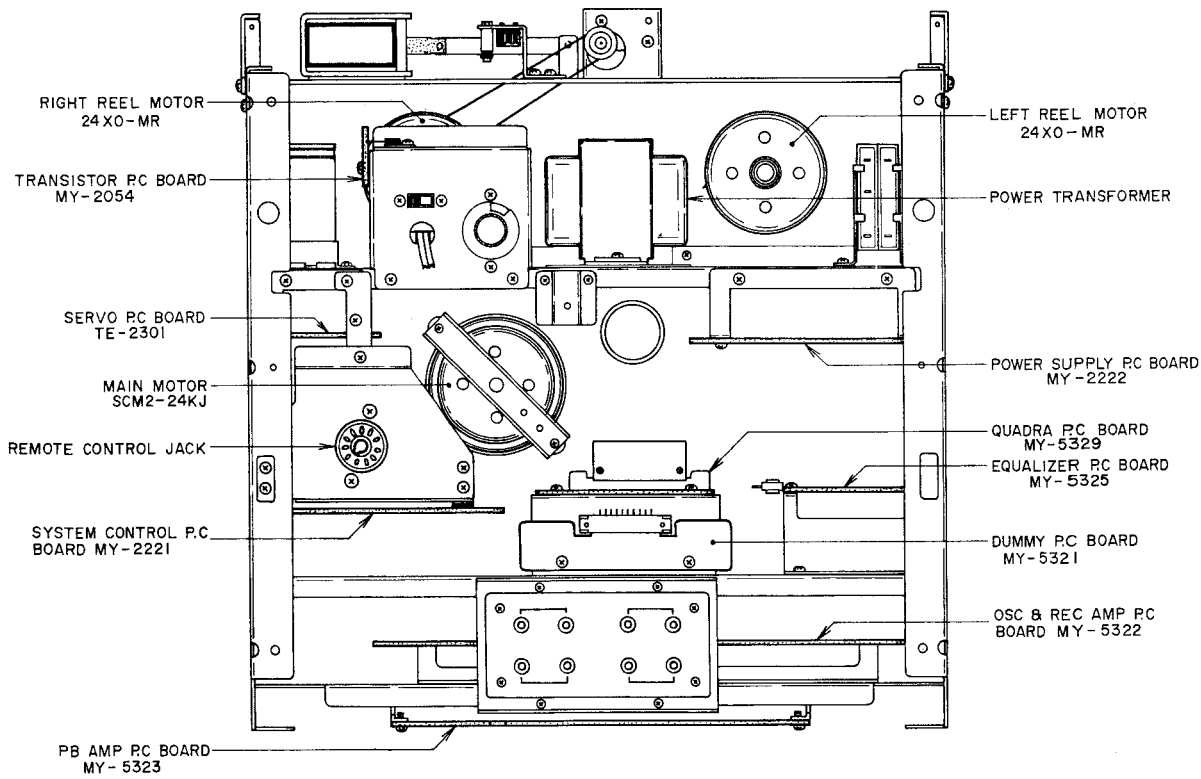
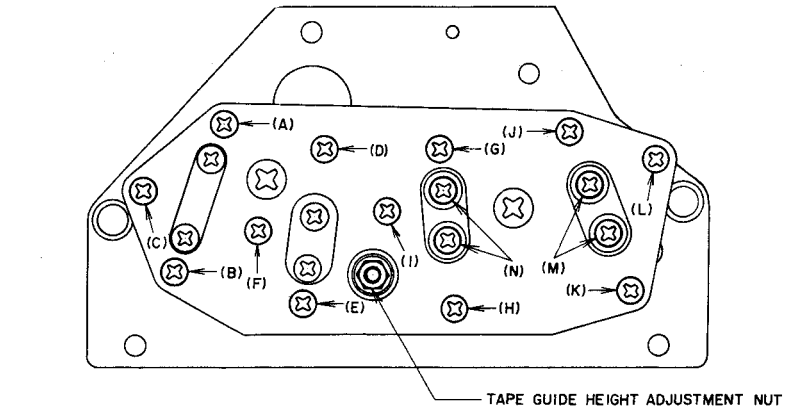

RIGHT REEL MOTOR 24XO-MR
LEFT REEL MOTOR 24XO-MR
TRANSISTOR P.C BOARD MY-2054
POWER TRANSFORMER
SERVO P.C BOARD TE-2301
POWER SUPPLY P.C BOARD MY-2222
MAIN MOTOR SCM2-24KJ
QUADRA P.C BOARD MY-5329
REMOTE CONTROL JACK
EQUALIZER P.C BOARD MY-5325
SYSTEM CONTROL P.C BOARD MY-2221
DUMMY P.C BOARD MY-5321
OSC & REC AMP P.C BOARD MY-5322
PB AMP P.C BOARD MY-5323

Fig. 3 Rear View

V. MECHANISM ADJUSTMENT

Because Mechanism Adjustments of this model are completely same as GX-270D, Please refer to Model GX-270D Service Manual Page-9 to Page-12.

VI. HEAD ADJUSTMENT



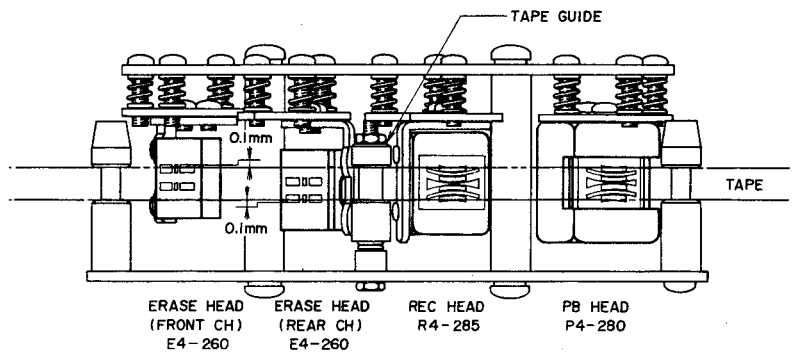


Fig. 4 Head Adjustment

Step	Adjustment Item	Test Tape Supply Signal	Mode	Adjustment Point	Remarks
1	Tape Guide Height	Optional	PLAY	Tape Guide Height Adjustment nut	Adjust so that tape does not twist between Tape Guides on head base
2	Erase Head Height (Front channel)	Optional	PLAY	Screws (A) (B) (C)	Upper edge of channel 1 head core is 0.1 mm higher than upper edge of tape
3	Erase Head Height (Rear channel)	Optional	PLAY	Screws (D) (E) (F)	Lower edge of channel 4 head core is 0.1 mm Lower than lower edge of tape
4	Recording Head Height	Optional	PLAY	Screws (G) (H) (I)	Even Upper of channel 1 head core and upper edge of tape
5	Playback Head Height	Optional	PLAY	Screws (J) (K) (L)	Same as Step 4 above
6	Playback Head Azimuth Alignment	8,000 Hz 3-3/4 ips test tape	PLAY	Screw (L)	Maximum output on all channels
7	Playback Head Gap Alignment	8,000 Hz 3-3/4 ips test tape	PLAY	Screw (M)	Adjust head gap surface so that there is no change in output level when tension is applied to the supply reel side
8	Recording Head Azimuth Alignment	SCOTCH #211 tape 15,000 Hz −20 dBm	REC	Screw (I)	Same as step 6 above
9	Recording Head Gap Alignment	SCOTCH #211 tape 15,000 Hz −20 dBm	REC	Screw (N)	Same as step 7 above

Chart 1

NOTE: Set tape speed to 7-1/2 ips when making all alignment adjustments.

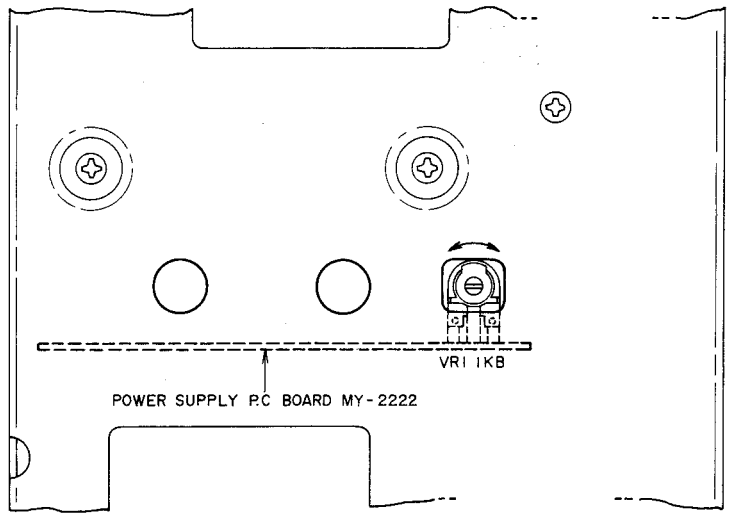


Fig. 5 Left Side Panel of Deck

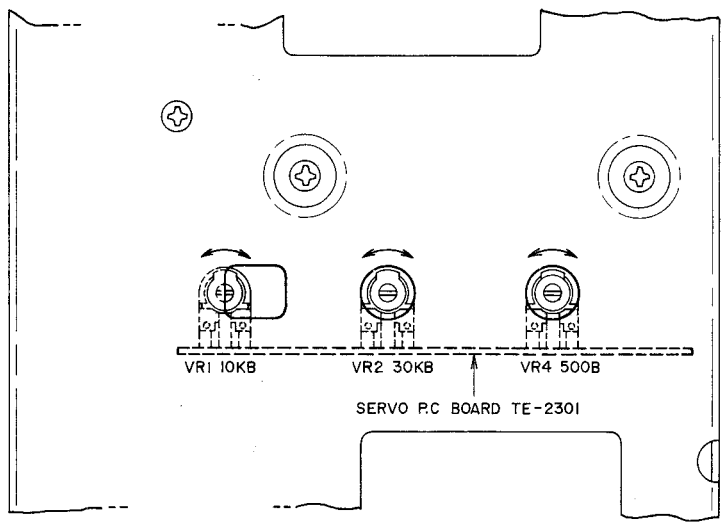


Fig. 6 Right Side Panel of Deck

1. POWER SUPPLY VOLTAGE AND TAPE SPEED ADJUSTMENT (See Fig. 5, 6)

Step	Adjustment Item	Test Tape Supply Signal	Mode	Adjustment Point	Result	Remarks
1	DC Power Supply Voltage	None	Stop	VR1 1 kB (MY-2222)	24V	Measure at terminal (2) of MATE-N-LOCK P9
2	DC Power Supply Voltage	None	Stop	VR4 500B (TE-2301)	24V	Measure at TR7 Emitter of Servo P.C Board
3	Tape Speed 7-1/2 ips	1,000 Hz 7-1/2 ips Test Tape	Play	VR1 10 kB (TE-2301)	1,000 Hz ±0.5%	Set tape speed to 7-1/2 ips position
4	Tape Speed 3-3/4 ips	1,000 Hz 7-1/2 ips Test Tape	Play	VR2 30 kB (TE-2301)	500 Hz ±0.5%	Set tape speed to 3-3/4 ips position

Chart 2

NOTE: When making Tape Speed adjustments be sure to set PITCH CONTROL to center position.

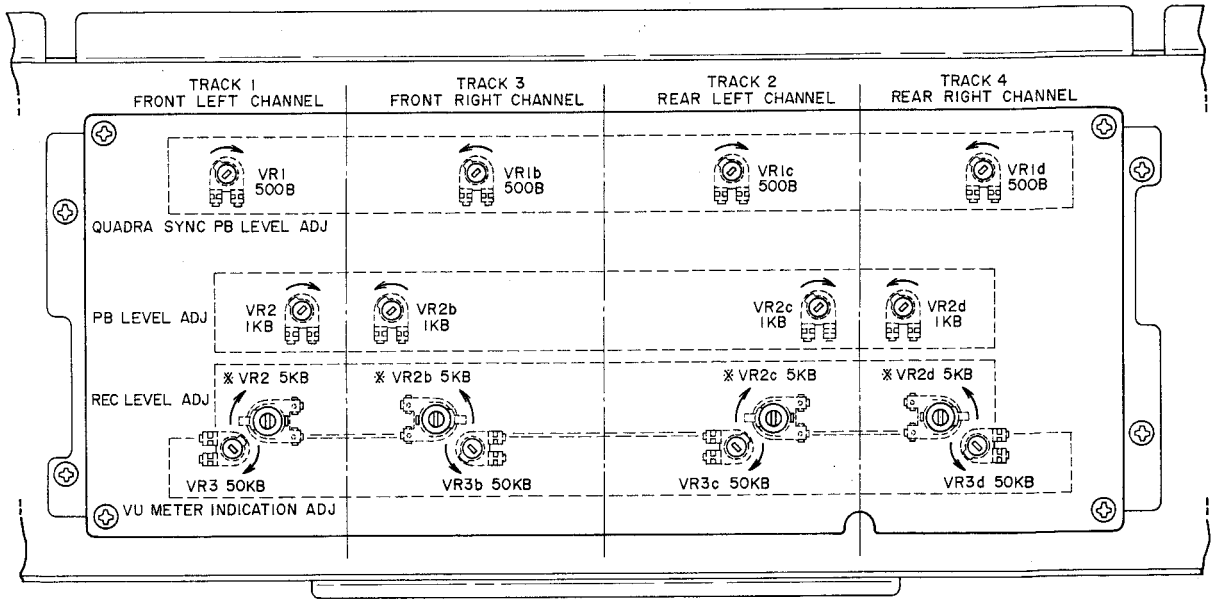


Fig. 7 Bottom View

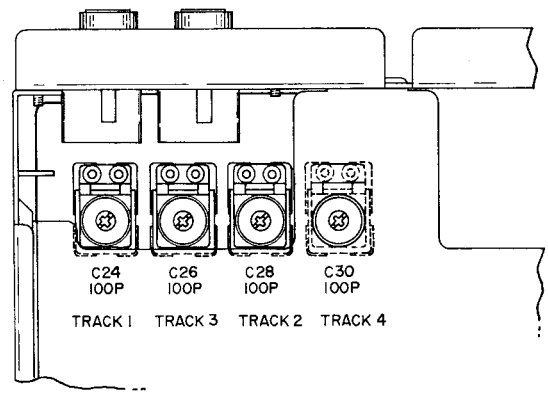


Fig. 8 Bottom View

2. RECORDING AND PLAYBACK AMPLIFIER ADJUSTMENT (See Fig. 7, 8)

Step	Adjustment Item	Test Tape Supply Signal	Mode	Adjustment Point	Result	Remarks
1	Playback Level (Normal)	700 Hz 7-1/2 ips Test Tape	Play	VR2 1 kB (MY-5323)	0 ± 0.5 dBm (0.775V)	Quadra Sync OFF
2	Playback Level (Quadra Sync)	700 Hz 7-1/2 ips Test Tape	Play	VR1 500B (MY-5323)	0 ± 0.5 dBm (0.775V)	Quadra Sync
3	VU Meter Sensitivity	700 Hz 7-1/2 ips Test Tape	Play	VR3 50 kB (MY-5323)	"0" VU indication	
4	Recording Level	SCOTCH #211 tape 1,000 Hz "0" VU recording	Rec and Play	VR2 5 kB (MY-5322)	0 ± 0.5 dBm (0.775V)	Tape Selector to LOW NOISE position
5	Frequency Response	SCOTCH #211 tape 1,000 Hz, 10,000 Hz −20 dBm recording	Rec and Play	C24 (Track 1) C26 (Track 3) C28 (Track 2) C30 (Track 4)	1,000 Hz to 10,000 Hz flat response	Tape Selector to LOW NOISE position and Tape Speed to 3-3/4 ips

Chart 3

NOTES: 1. Output Volume to maximum position.
2. The letters "b" "c" and "d" following a part number indicate "Track 3" "Track 2" and "Track 4" channels.
b = Track 3
c = Track 2
d = Track 4

VIII. DC RESISTANCE OF VARIOUS COIL

Part	Designation	DC Resistance
Main Motor	SCM2-24KJ	Between BLU-RED 100 ohms Between YLW-GRN 180 ohms Pick-up Coil 0.35 ohms
Reel Motor	24XO-MR	Between BLU-RED 74 ohms Between YLW-GRN 166 ohms
Pinch Roller Solenoid	1660THT3	685 ohms
QT Solenoid	KGS10CM 1,300 ohms	1,300 ohms
Relay	MY4-O-US-AD4 DC24V	650 ohms
Relay	MTS-2	1,000 ohms ±10%
Headphone Output Transformer	N19-349S	Primary 160 ohms ±15% Secondary 0.64 ohms ±15%
Oscillator Coil	OT-204	Between 1-3 0.3 ohms Between 4-6 0.7 ohms Between 7-9 8.2 ohms
Erase Head	E4-260	3.5 ohms
Recording Head	R4-285	13 ohms
Playback Head	P4-280	350 ohms

Chart 4

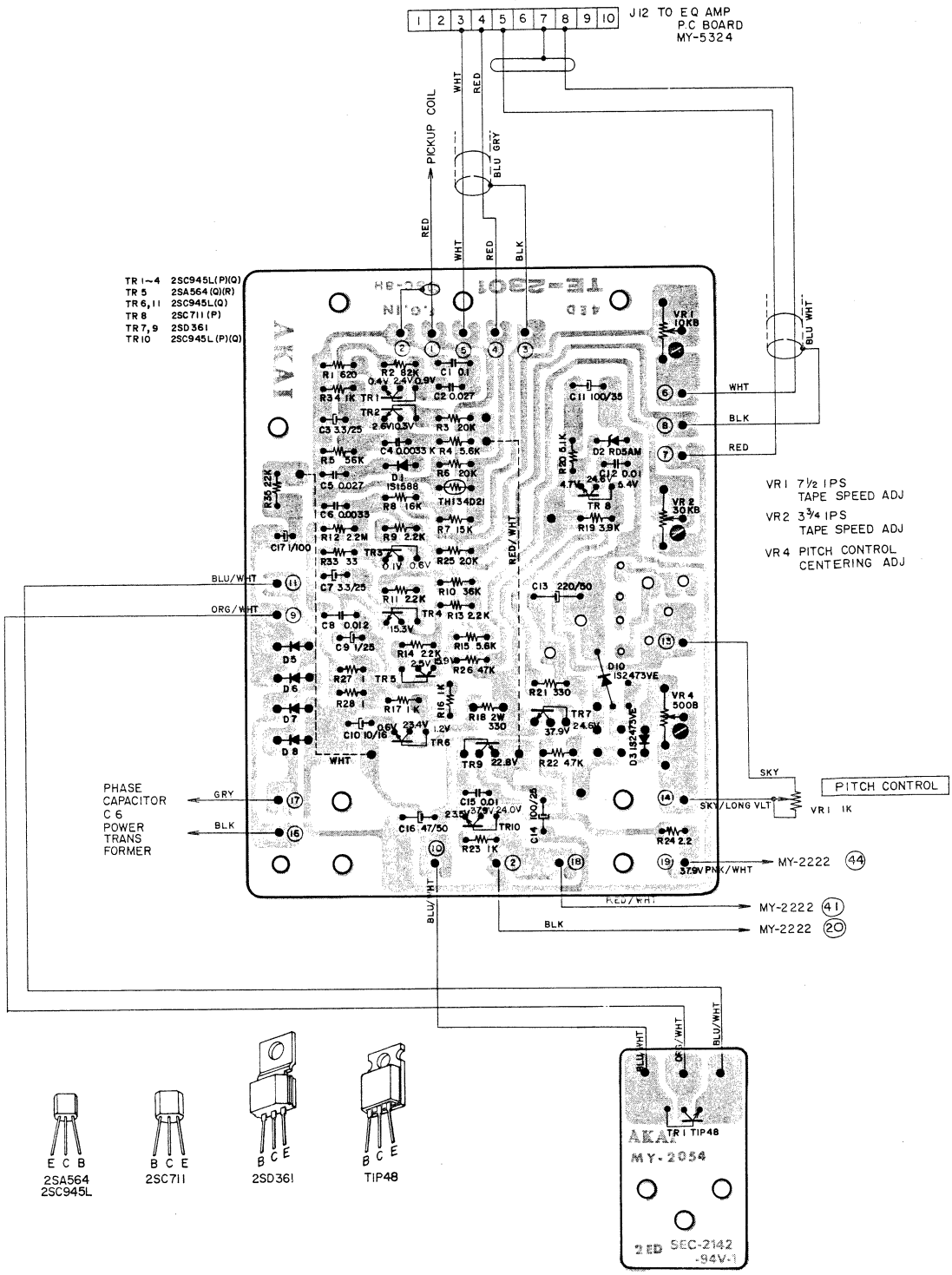
* Resistance values shown in this chart are average values.

IX. CLASSIFICATION OF VARIOUS P.C BOARDS

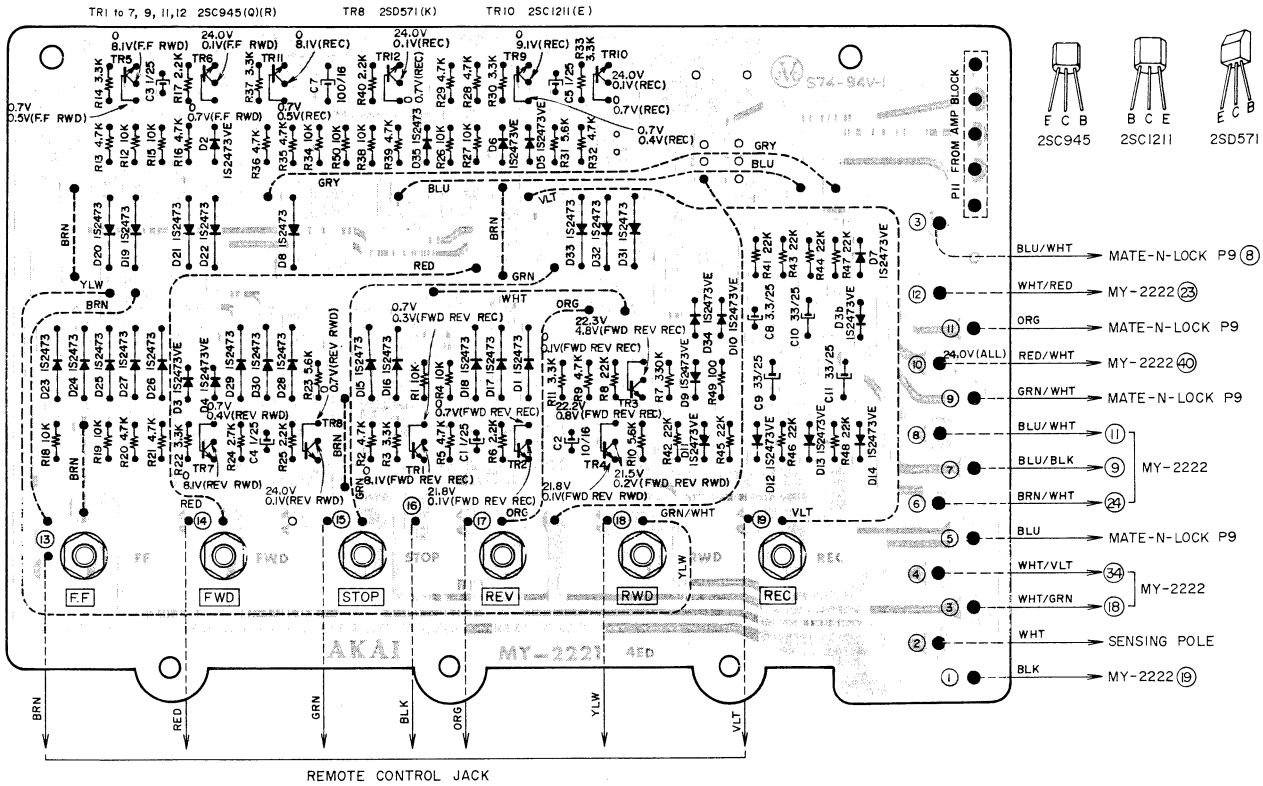
1. RELATION OF VARIOUS P.C BOARD TITLE AND IDENTIFICATION NUMBER

P.C Board	Number of P.C Board
Servo P.C Board	TE-2301
System Control P.C Board	MY-2221
Power Supply P.C Board	MY-2222
Transistor P.C Board	MY-2054
PB Amp P.C Board	MY-5323
OSC & REC Amp P.C Board	MY-5322
Dummy P.C Board	MY-5321
Quadra P.C Board A	MY-5328
Quadra P.C Board B	MY-5329
Equalizer P.C Board B	MY-5325
Volume P.C Board	TE-5305
Monitor P.C Board	MY-5327
REC Lamp P.C Board	MY-5326
Lamp P.C Board	MY-5320

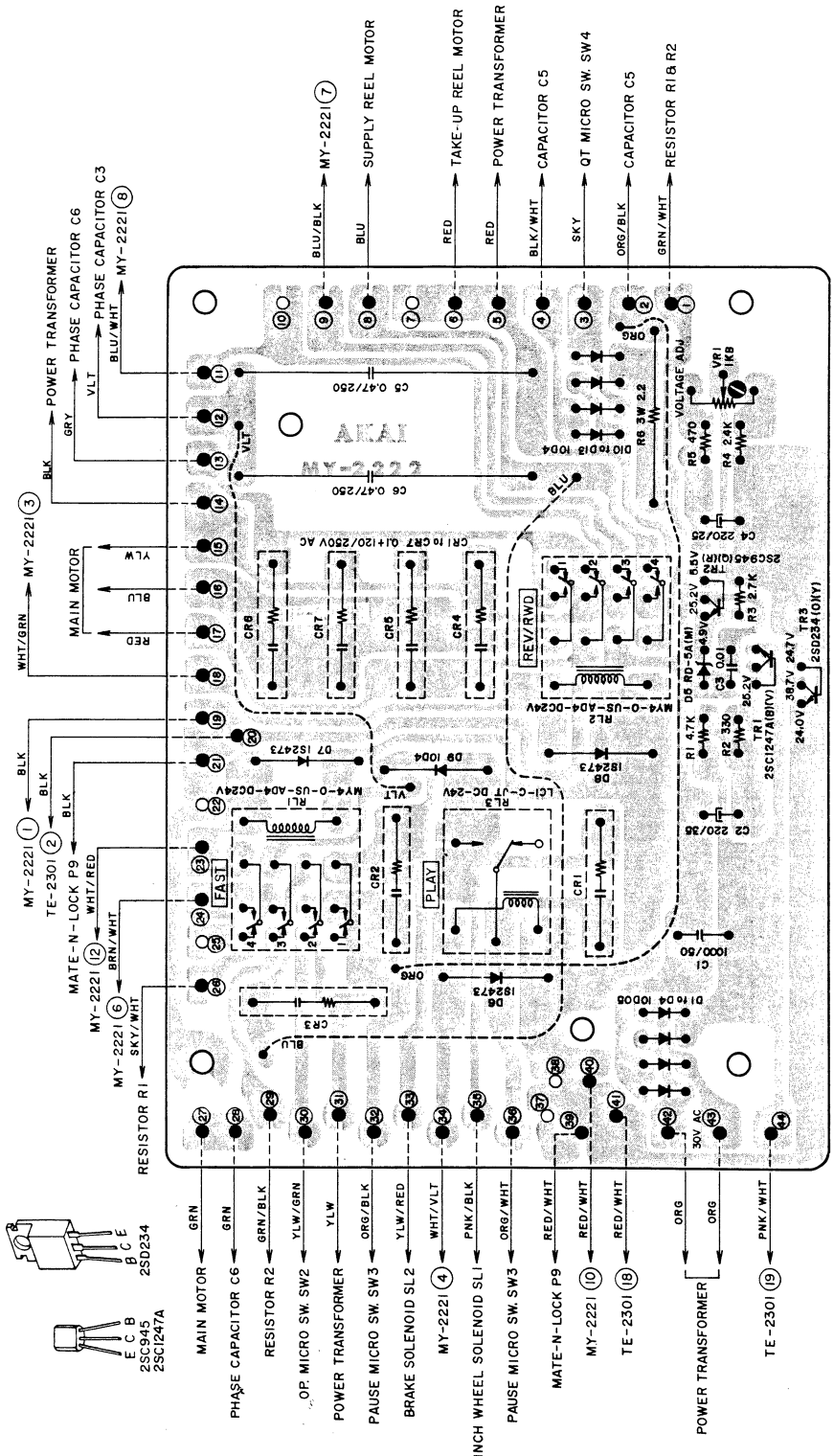
2. COMPOSITION OF VARIOUS P.C BOARDS
SERVO P.C BOARD TE-2301 AND TRANSISTOR P.C BOARD MY-2054



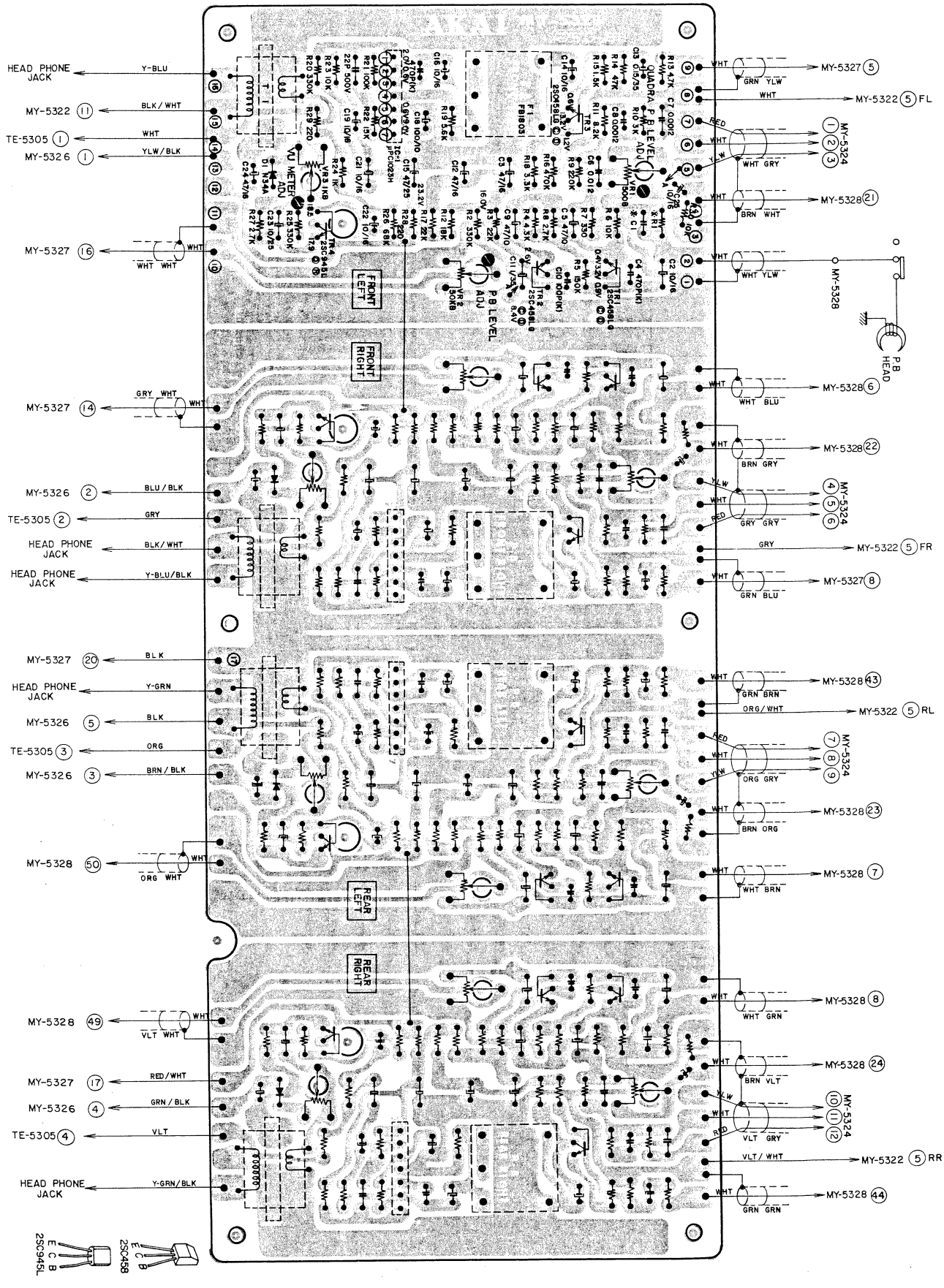
SYSTEM CONTROL P.C BOARD MY-2221



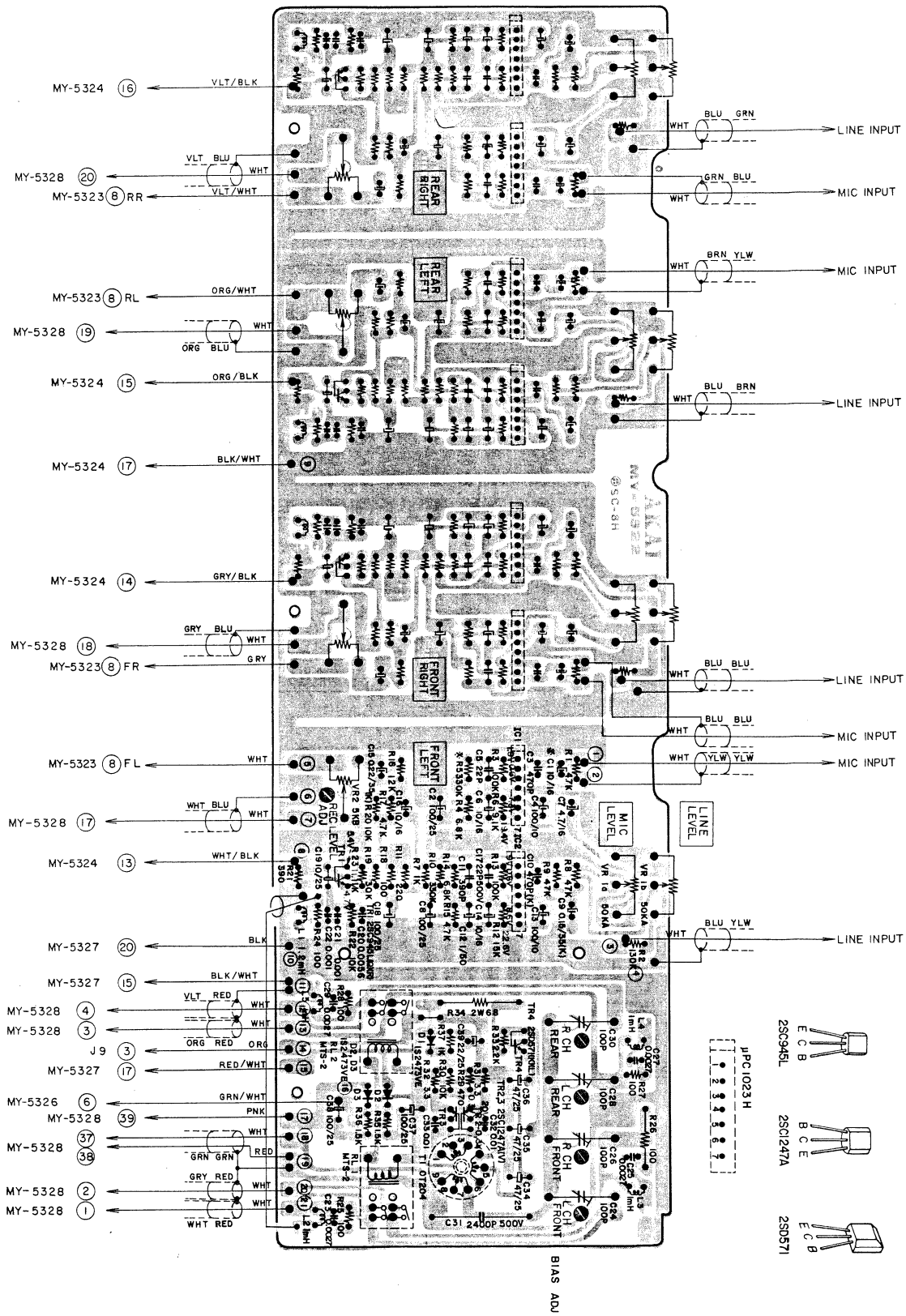
POWER SUPPLY P.C BOARD MY-2222



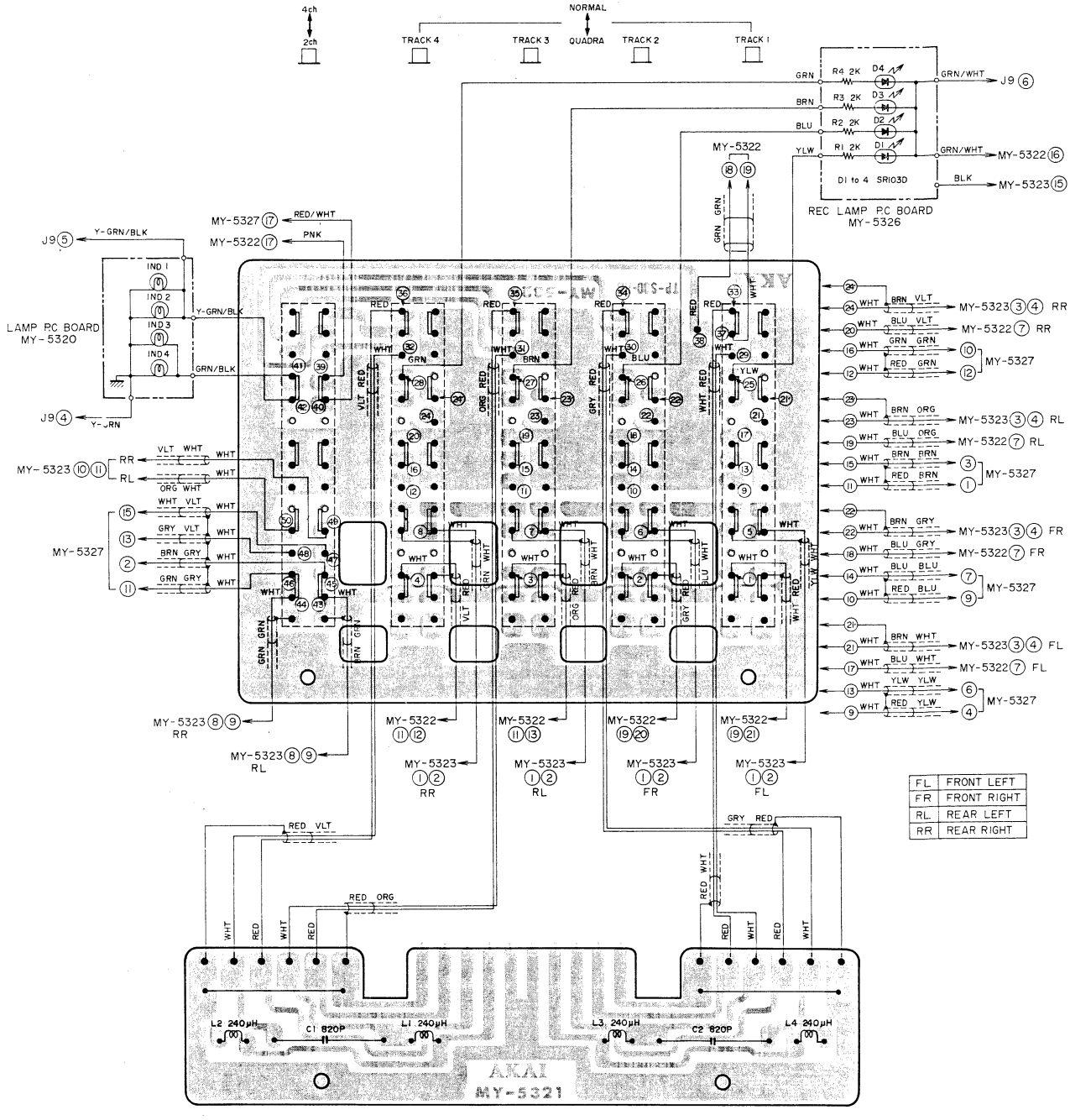
PB AMP P.C BOARD MY-5323



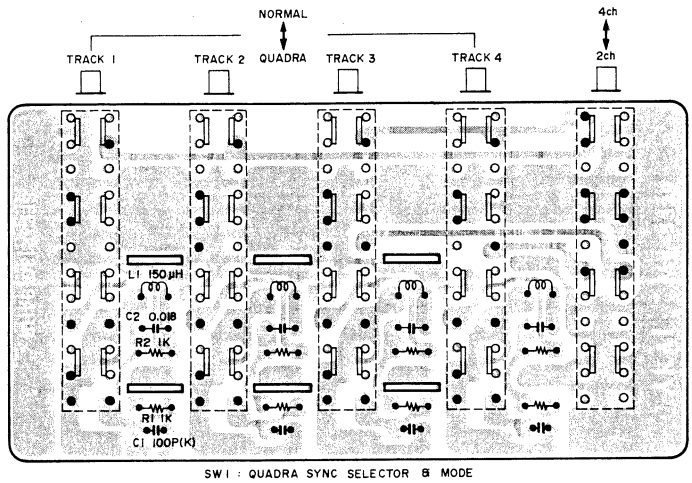
OSC & REC AMP P.C BOARD MY-5322



DUMMY P.C BOARD MY-5321 AND QUADRA P.C BOARD A MY-5328

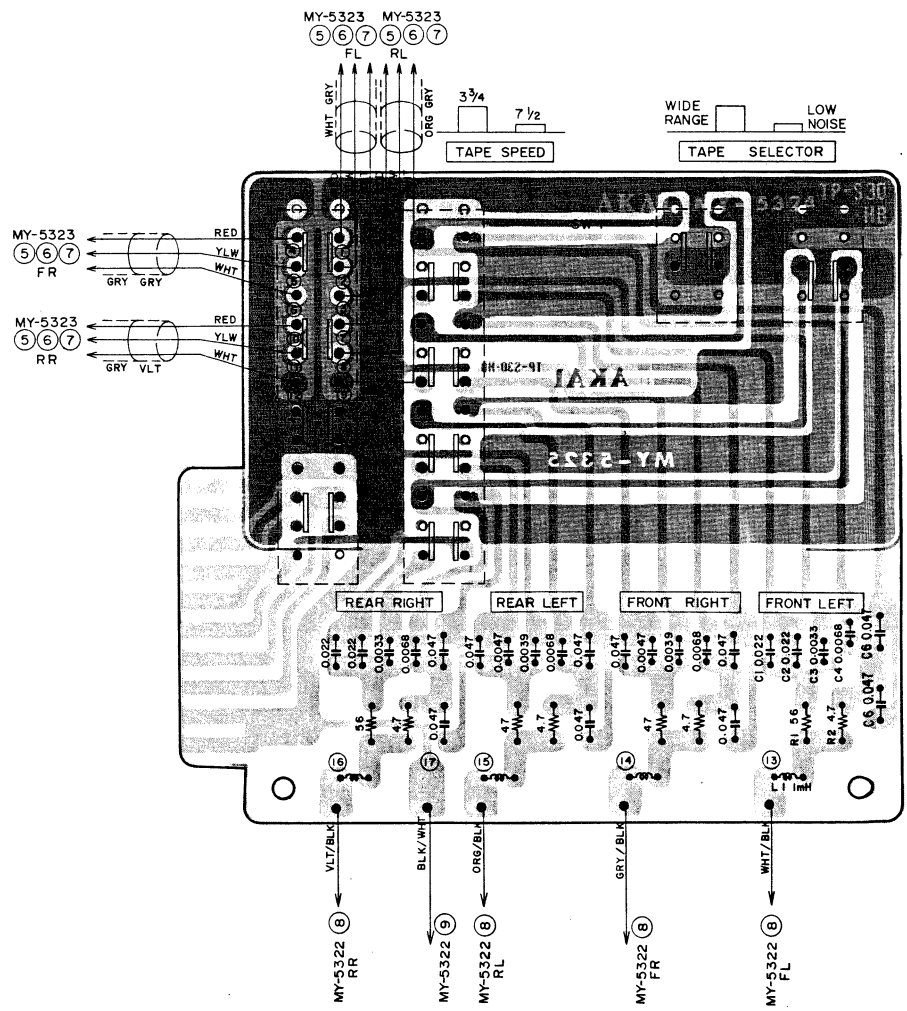


QUADRA P.C BOARD B MY-5329

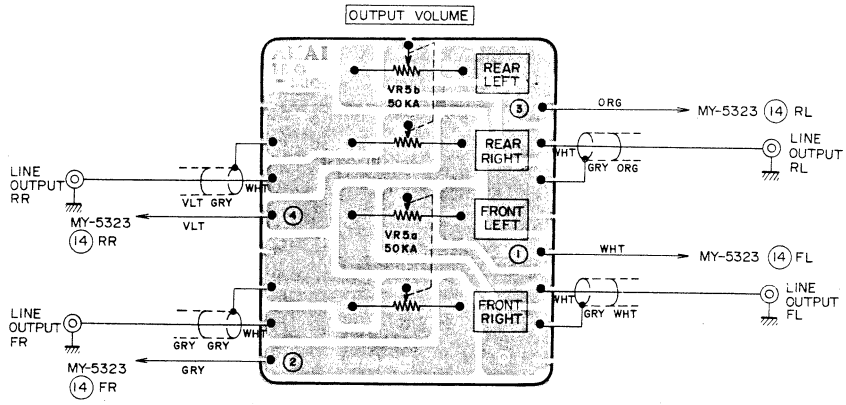


SW1 : QUADRA SYNC SELECTOR & MODE

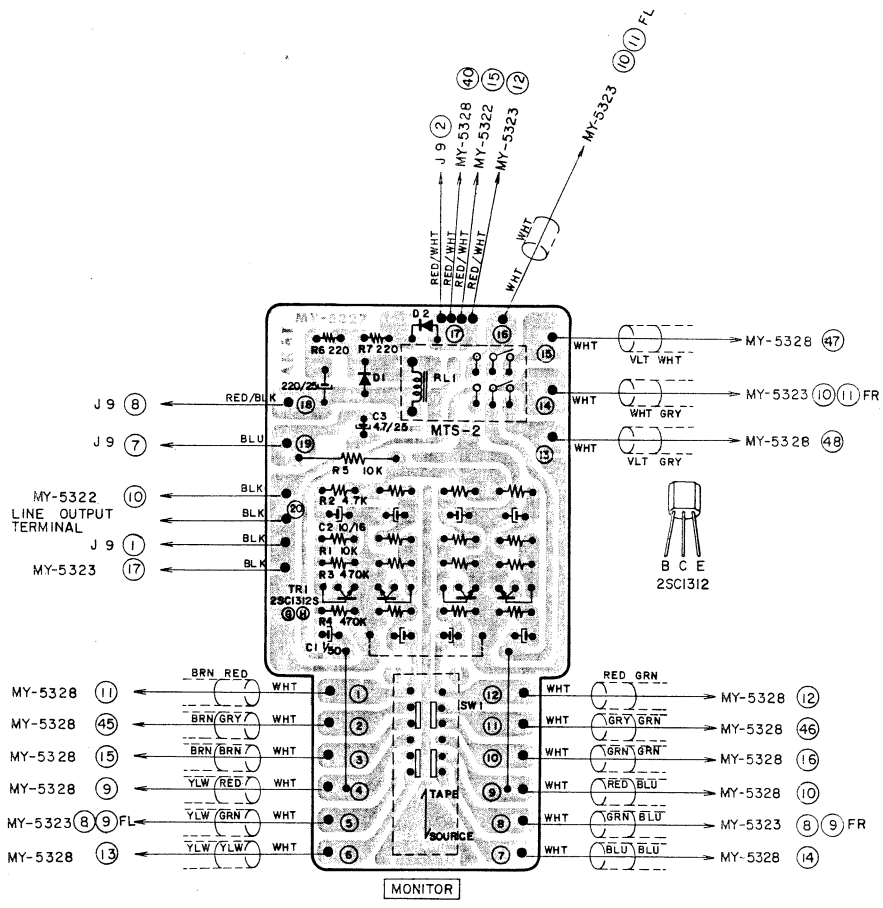
EQUALIZER P.C BOARD A MY-5324 & B MY-5325



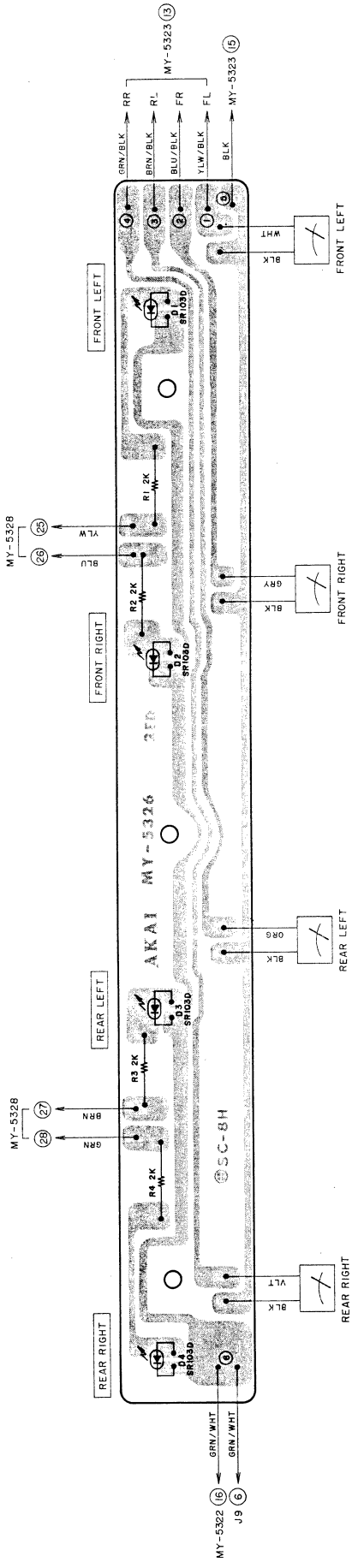
VOLUME P.C BOARD TE-5305



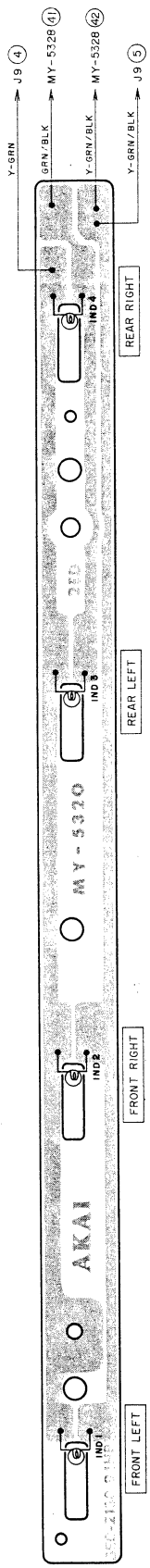
MONITOR P.C BOARD MY-5327



REC LAMP P.C BOARD MY-5326



LAMP P.C BOARD MY-5320



SECTION 2

PARTS LIST

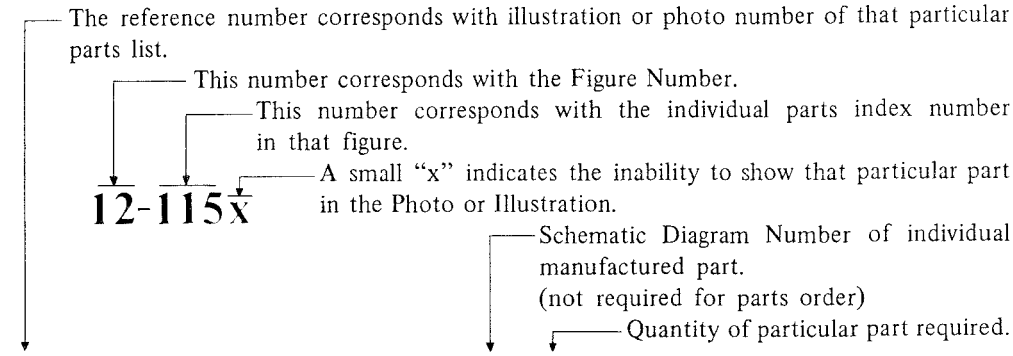
TABLE OF CONTENTS

RECOMMENDED SPARE PARTS LIST 31
1. HEAD BLOCK 33
2. REEL MOTOR/REEL TABLE BLOCK 34
3. MOTOR BLOCK 35
4. IMPEDANCE ROLLER BLOCK 36
5. PAUSE SW./TENSION ARM BLOCK 37
6. PINCH ROLLER PLUNGER/QUICK SW. BLOCK 38
7. OPERATION BLOCK 39
8. POWER SUPPLY BLOCK 40
9. MECHA ASSEMBLY BLOCK 42
10. P.C BOARDS 44
(1) SERVO P.C BOARD (TE-2301) BLOCK 44
(2) SYS. CON P.C BOARD (MY-2221) BLOCK 44
(3) POWER SUPPLY P.C BOARD (MY-2222) BLOCK 44
(4) PB P.C BOARD (MY-5323) BLOCK 44
(5) REC. OSC P.C BOARD (MY-5322) BLOCK 45
(6) DUMMY P.C BOARD (MY-5321) BLOCK 45
(7) QUADRA P.C BOARD (MY-5329) BLOCK 45
(8) EQ. P.C BOARD (MY-5325) BLOCK 45
(9) VOL. P.C BOARD (TE-5305) BLOCK 45
(10) MONITOR SW. P.C BOARD (MY-5327) BLOCK 45
11. AMP ASSEMBLY BLOCK 46
12. FINAL ASSEMBLY BLOCK 48
13. LIST OF INTERCHANGEABLE SEMICONDUCTORS 49
INDEX 50

Resistor and Capacitor which is not listed in this parts list, please refer to COMMON LIST FOR SERVICE PARTS.

HOW TO USE THIS PARTS LIST

1. This parts list is compiled by various individual blocks based on assembly process.
2. When ordering parts, please describe parts number, serial number, and model number in detail.
3. How to read List


The reference number corresponds with illustration or photo number of that particular parts list.
This number corresponds with the Figure Number.
This number corresponds with the individual parts index number in that figure.
A small "x" indicates the inability to show that particular part in the Photo or Illustration.
12-115x
Schematic Diagram Number of individual manufactured part.
(not required for parts order)
Quantity of particular part required.
Ref. No.
Parts No.
Description
Schematic No.
Q'ty

FLYWHEEL BLOCK #13

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
12-115x	800425	Flywheel Block Assy. Comp.	RDG #13	1
12-116	244506	Flywheel Only	RD-233	1
12-117x	244754	Felt, Flywheel	RD-275	1
12-118	251324	Main Metal Case	RD-236	1
12-119	253080	Main Metal	RD-237	1

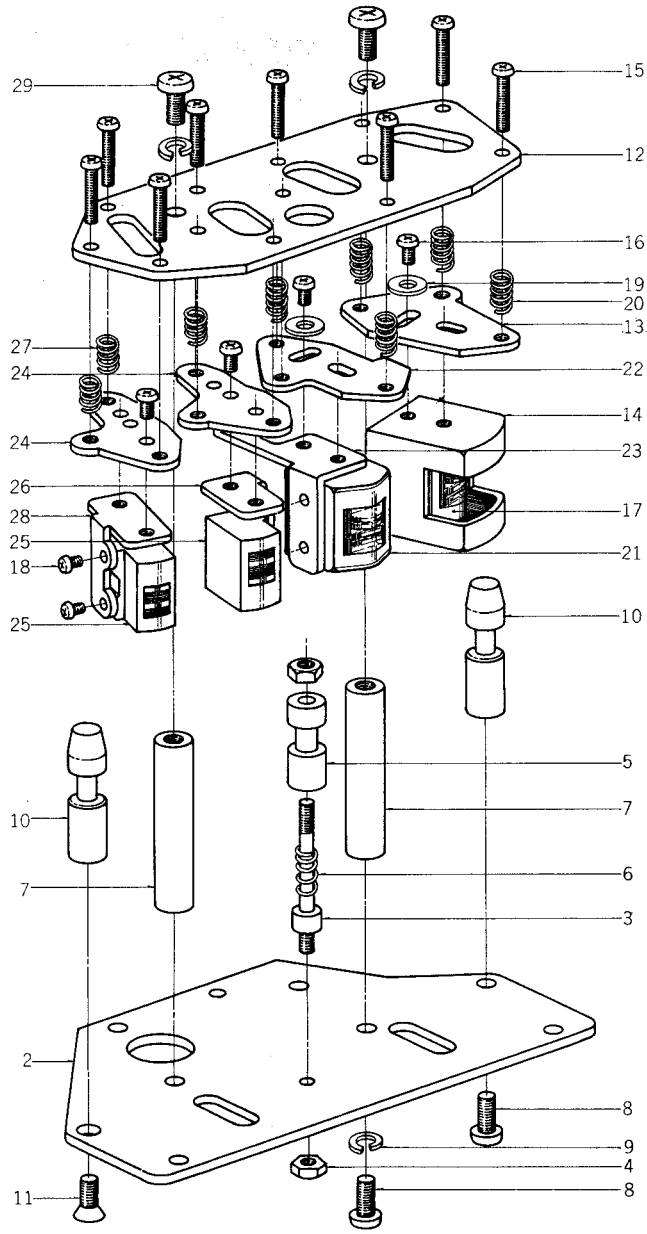
4. The symbol numbers shown on the P.C. Board list can be matched with the Composite Views of Components of the Schematic Diagram or Service Manual.
5. Please utilize separate "Common List for Service Parts" for Resistor Parts orders.
6. The shape of the parts and parts name, etc. can be confirmed by comparing them with the parts shown on the Electrical Parts Table of P.C. Board.
7. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List.
   It is necessary first of all to find the Parts Number. This can be accomplished by using the Reference Number listed at right of parts number in the Parts Index. (meaning of ref. no. outlined in Item 3 above).
8. Utilize separate "Price List for Parts" to determine unit price. The most simple method of finding parts Price is to utilize the reference number.

RECOMMENDED SPARE PARTS LIST

Parts No.	Designation	Note
BA210227	EQ. P.C Board Comp. MY-5325	
BA210216	Quadra P.C Board Comp. MY-5329	
BA660688	Servo P.C Board Comp. TE-2301	
BA210284	PB P.C Board Comp. MY-5323	
BA210238	Dummy P.C Board Comp. MY-5321	
BA210082	Power Supply P.C Board Comp. MY-2222	
BA210183	Monitor SW. P.C Board Comp. MY-5327	
BA210328	REC, OSC P.C Board Comp. MY-5322	
BA695125	Sys. Con P.C Board Comp. MY-2221	
BC682222	Case Block Comp.	
BC682233	Case Block Comp.	CSA
BI657112	Impedance Roller Block Comp.	
BJ210330	Jack Plate Block Comp.	
BJ210341	Jack Plate Block Comp.	CSA
BM600298	Main Motor Block Comp.	Same as GX-286
BM314741	Reel Motor Block Comp.	Same as GX-210D
BR398430	Supply Reel Table Block Comp.	Same as GX-280D
BR398441	Take-up Reel Table Block Comp.	Same as GX-280D
BS622631	Quick SW. Block Comp.	
BT621922	Power Trans. MYT-1	U/T
BT621988	Power Trans. MYT-11	CSA
BT621990	Power Trans. MYT-12	CEE
BZ622618	Tension Arm Block Comp.	
BZ624813	Pause SW. Block Comp.	
EL621167	Lamp (Reed type) 5.5V 60MA	
EM558180	VU Meter KL-243S-21	
ES207720	Push SW. 4FT-0001EF5020	
ES207718	Push SW. 5FT-0001FF-5020	
ES499972	Push SW. JS-09	
ES479395	Push SW. TV-3 JH5	
ES207685	Lever SW. SLA34215	
EV207753	VOL. DJ60R512A 50 k×2	
HE563220	Erase Head E4-260	Same as GX-400DSS, GX-286
HP513281	Playback Head P4-280	Same as GX-400DSS
HR565672	Recording Head R4-285	Same as GX-400DSS
MB625566	Counter Belt	
MC621887	Counter MP-490-21	
MP625048	LC Pinch Roller H	
SB643500	Button A	
SB643577	Button B	
SB640732	Button C	
SB640743	Button D	

Parts No.	Designation	Note
SB679860	Push Button (Square)	
SB631282	Push Button H	
SK634410	Push Button Knob J	
SK631304	Push Button Knob I	
SK640912	Double Knob (Upper) TE-6011	Mic input control knob
SK640923	Double Knob (Lower) TE-6012	Line input control knob
SK653758	Double Knob (Upper) TE-6306	Output control knob
SK653760	Double Knob (Lower) TE-6307	Output control knob
SK638976	Knob 1-C	
SP204107	Meter Panel	
SP200463	Front Panel	

1. ILLUSTRATION OF HEAD BLOCK

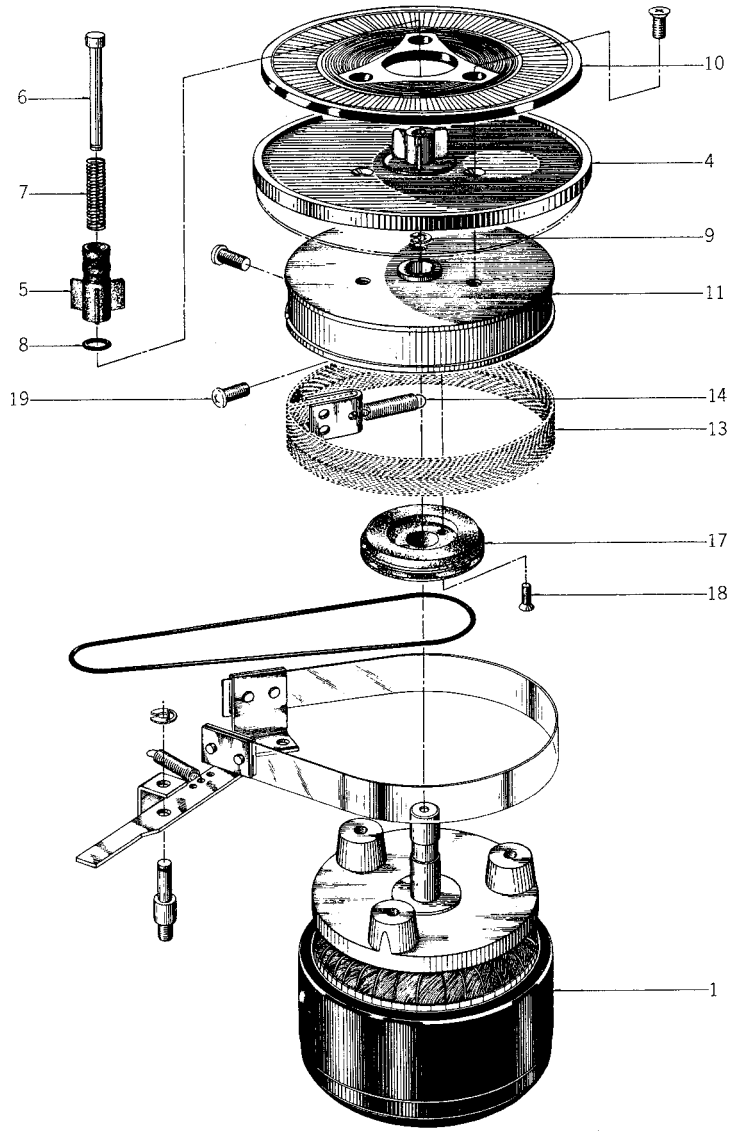


1) HEAD BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
1-1x	BH210137	Head Block Comp.	MY3	1
1-2	HZ203747	Head Base B	MY-0302	1
1-3	MH578957	Tape Guide Prop	TD-0003	1
1-4	ZW273756	Nut M3, #1		2
1-5	HZ532710	Tape Guide B	TW-0006	1
1-6	ZG466312	Angle Adjust Spring E	BS-0018	1
1-7	HZ532686	Head Base Prop A	TW-0003	2
1-8	ZS413201	Screw, pan head 4x8		3
1-9	ZW273914	Spring Washer M4		4
1-10	MS625072	Tape Guide	MY-0003	2
1-11	ZS414044	Screw, countersunk head 4x8		1
1-12	HZ203736	Head Base A	MY-0301	1
1-13	HZ532765	PH Mt. Base	TW-0010	1
1-14	HZ532776	Shield Case	TW-0011	1
1-15	ZS608512	Screw, pan head 3x13		12
1-16	ZS608477	Screw, pan head 3x4		8
1-17	HP513281	PB HEAD P4-280	KF2,TW3,MY3	1
1-18	ZS201475	Screw, pan head 2x3		8
1-19	ZW413256	Washer (SPC) D3.4x7.8x0.5t		4
1-20	ZG466312	Angle Adjust Spring E	BS-0018	6
1-21	HR565672	REC HEAD R4-285	TW3,MY3	1
1-22	HZ203580	RH Mt. Base	MY-0303	1
1-23	HA208348	RH Angle B	TW-0201	1
1-24	HZ203591	EH Mt. Base	MY-0304	2
1-25	HE563220	ERASE HEAD E4-260	KJ,TW3,MY3	2
1-26	HA549944	REH Angle	TW-0301	1
1-27	ZG540584	Angle Adjust Spring G	TW-0025	6
1-28	HA533608	EH Angle	TW-0202	1
1-29	ZS201778	Screw, pan head 4x8		2
1-30x	EJ208001	10P Multi Jack	31-4-25	3
1-31x	ZS462947	Screw, pan head 2.3x12		4
1-32x	ZW273688	Nut M2.3		4
1-33x	ZW273633	Earth Lug M2.3		2
1-34x	ZW269785	Toothed Lock Washer M2.3		2

When ordering parts, Please describe Parts Number, Serial Number, and Model Number in detail.

2. ILLUSTRATION OF REEL MOTOR/REEL TABLE BLOCK

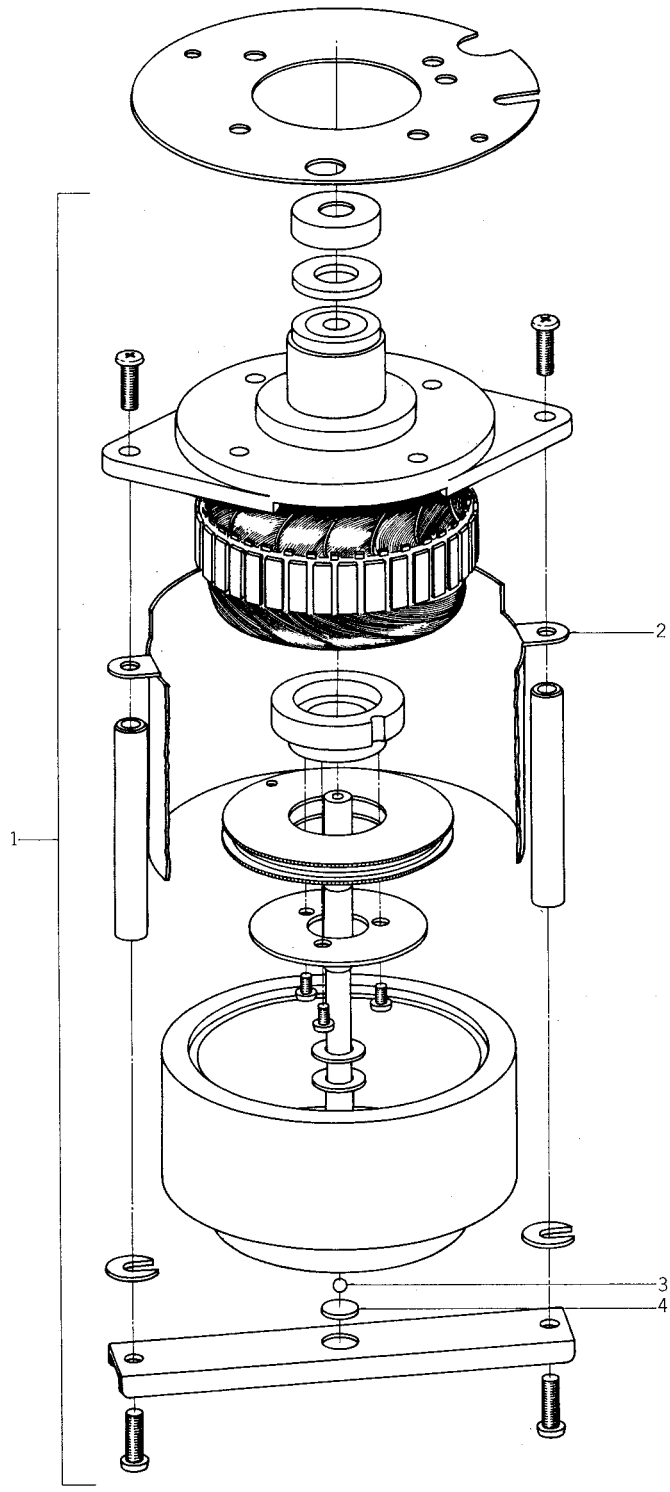


2) REEL MOTOR/REEL TABLE BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
2-1	BM314741	Motor Block Comp. (24XO-MR)	MR,KD,MS,MC	2
2-2x	BR398430	Supply Reel Table Block Comp.	KG1,KJ,MY	1
2-3x	BR398441	Take-up Reel Table Block Comp.	KG1,KJ,MY	1
2-4	MT488147	Reel Table Disk B, RD	RD-272	1
2-5	MT255420	Reel Retainer	3R-102	1
2-6	MS342000	Reel Shaft	3R-108	1
2-7	ZG255633	Reel Spring	3R-109	1
2-8	MT516565	'O' Ring 2.8x1.9	3R-139	1
2-9	ZW270088	'E' Ring 1.9M	6-1-9	1
2-10	MT397225	Reel Table Rubber	KD-2017	1
2-11	MT495606	Brake Drum (R) A (Take-up)	MR-216	1
2-12x	MT495617	Brake Drum (L) A (Supply)	MR-216	1
2-13	MT436860	Brake Cloth Comp.	MR-269	1
2-14	ZG317496	Felt Tension Spring	MR-260	1
2-15x	ZW562476	Earth Lug M3		1
2-16x	ZS417216	Screw, pan head 3x4		1
2-17	MR317507	Counter Pulley (Take up)	MR-217	1
2-18	ZS433315	Screw, countersunk head 2.3×8		2
2-19	ZS424056	Screw, pan head 4x10		2

When ordering parts, Please describe Parts Number, Serial Number, and Model Number in detail.

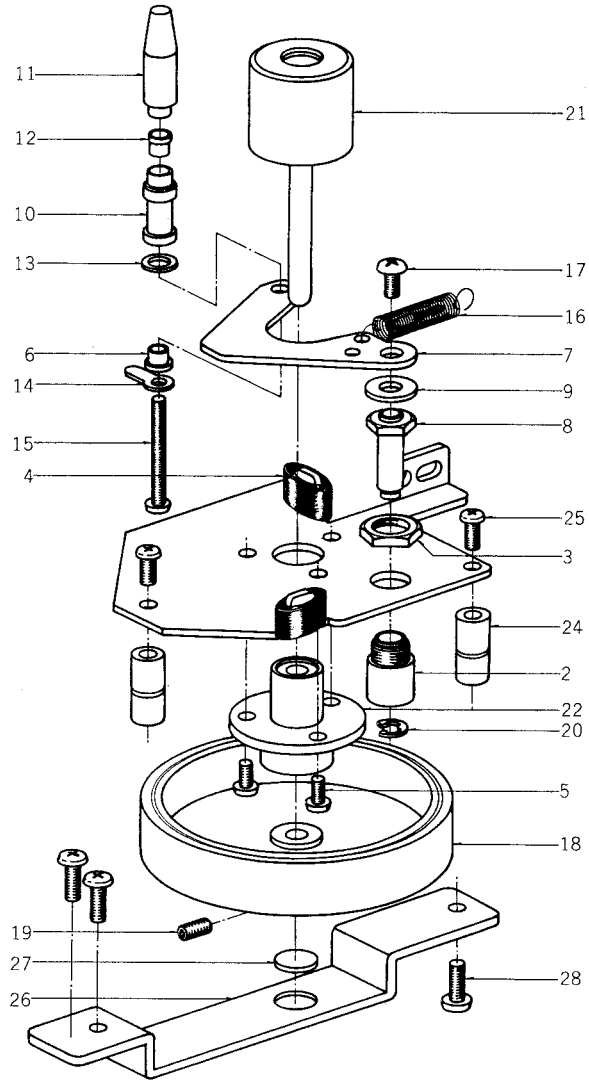
3. ILLUSTRATION OF MOTOR BLOCK



3) MOTOR BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
3-1	BM600298	Motor Block Comp. (SCM2-24KJ)	KJ,MY	1
3-2	MZ650046	Motor Shield Plate	TE-7008	1
3-3	MV368886	Steel Ball D3		1
3-4	MZ597690	Ball Holder	KJ-7029	1

4. ILLUSTRATION OF IMPEDANCE ROLLER BLOCK

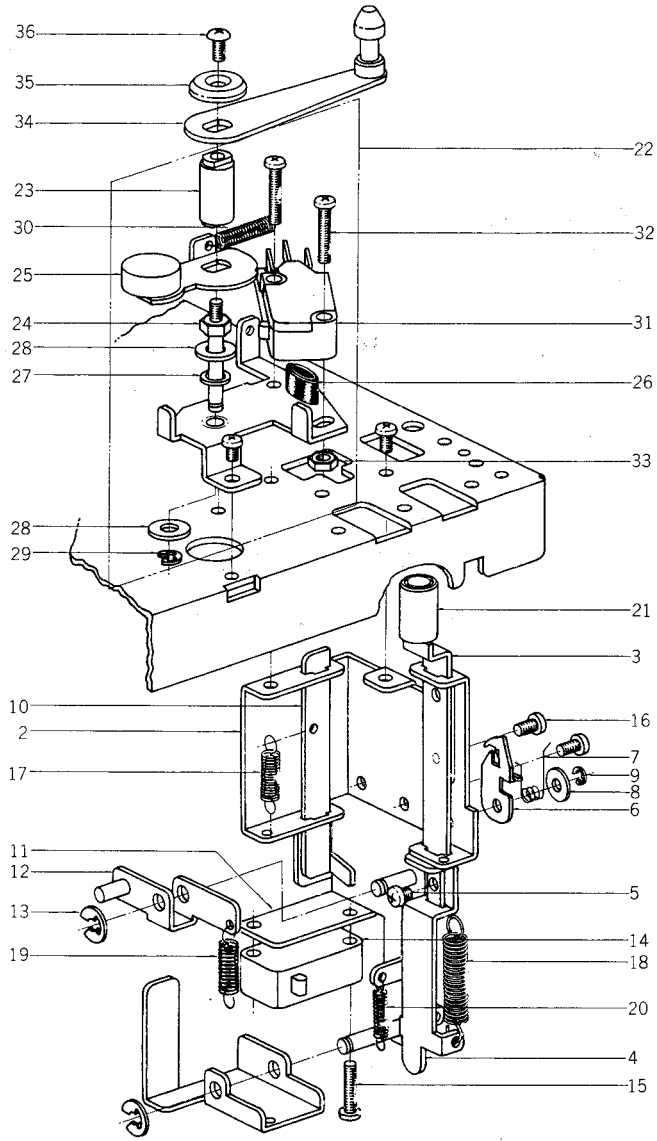


4) IMPEDANCE ROLLER BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
4-1x	BI657112	Impedance Roller Block Comp.	MY	1
4-2	MV597082	Sensing Shaft Metal	KJ-2028	1
4-3	ZW603990	Metal Nut	6-3-9	1
4-4	MB606712	Stopper Rubber KJ	KJ-2060	2
4-5	ZS499331	Screw, pan head 2.3x5		3
4-6	EZ606701	Insulator Collar (L)	KJ-2039	1
4-7	MZ597137	Sensing Arm	KJ-2036	1
4-8	MS597148	Sensing Shaft	KJ-2037	1
4-9	ZW604012	Washer (SPCC-D) D4.3x11x0.1t		3
4-10	MZ597172	Sensing Post (Lower)	KJ-2040	1
4-11	MZ597150	Sensing Post (Upper)	KJ-2038	1
4-12	SE597161	Insulated Collar (S)	KJ-2039	1
4-13	ZW601075	Washer (PBP) D4.1x7x0.1t		1
4-14	ZW273633	Earth Lug M2.3		1
4-15	ZS484828	Screw, binding head 2.3x25		1
4-16	ZG646020	Z Arm Spring	MY-2059	1
4-17	ZS201150	Screw, truss head 3x6(Black)		1
4-18	MI284444	Flywheel	MY-2078	1
4-19	ZS687137	Set Screw, hexagon socket 3x4 (Flat/P.)		2
4-20	ZW270101	'E' Ring 3M	6-1-9	1
4-21	MR284433	Z Roller Comp.	MY-2077	1
4-22	BZ283432	Metal Case Comp.	MY-2074	1
4-23x	ZW286255	Washer D3x10x1t (Teflon)		1
4-24	MH625162	Z Block Prop	MY-1004	3
4-25	ZS422076	Screw, pan head 3x5		3
4-26	MZ596823	Thrust Plate	KJ-1004	1
4-27	ZW593212	Washer (Nylon) D8x1t		1
4-28	ZS421806	Screw, pan head 3x8		3

When ordering parts, Please describe Parts Number, Serial Number, and Model Number in detail.

5. ILLUSTRATION OF PAUSE SW./TENSION ARM BLOCK

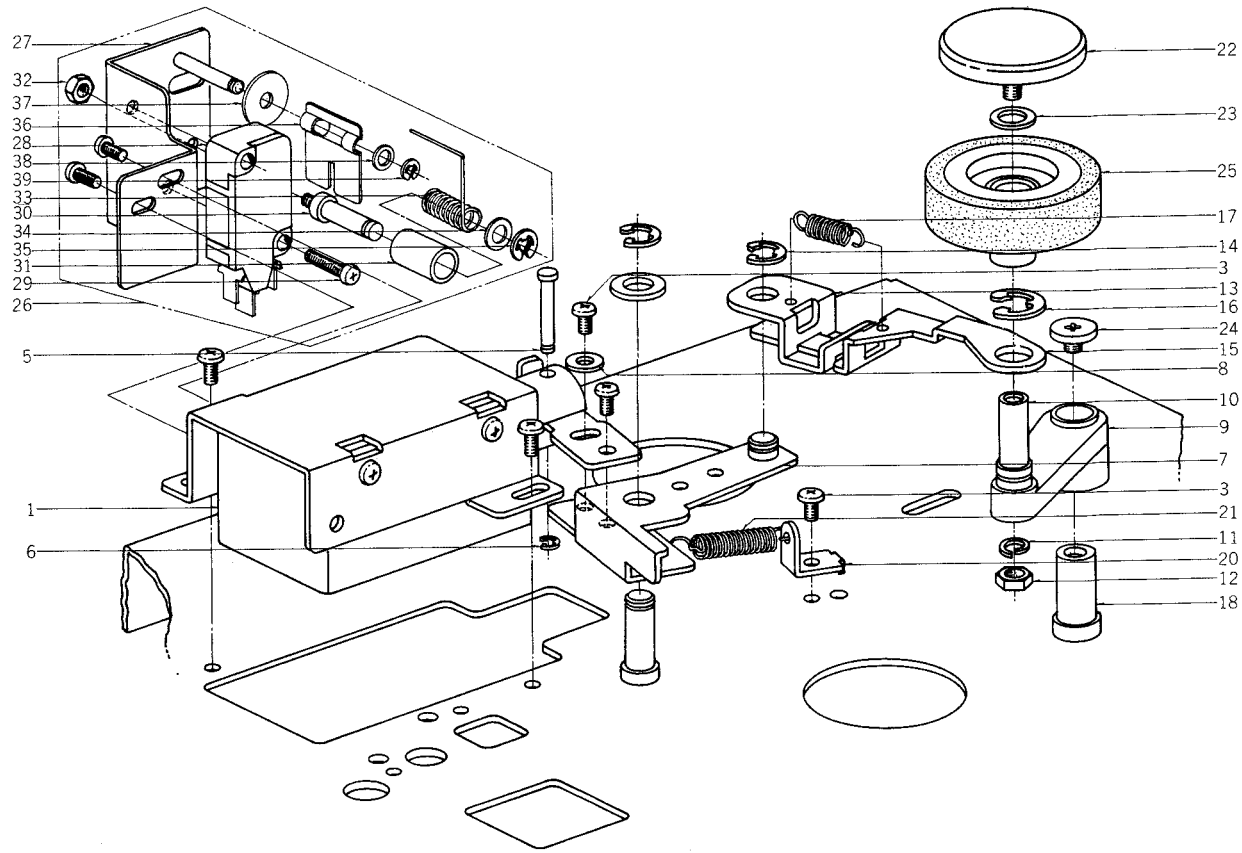


5) PAUSE SW./TENSION ARM BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
	PAUSE SW. BLOCK			
5-1x	BZ624813	Pause SW. Block Comp.	MY2,3	1
5-2	MZ631001	Pause Lever Bracket, w/shaft	MY-2214	1
5-3	ML630955	Pause Button Lever A, w/pin C	MY-2209	1
5-4	ML630966	Pause Button Lever B	MY-2210	1
5-5	ZS432674	Screw, pan head 3x3		1
5-6	TC515575	SW. Lock Cam B	CG-2301	1
5-7	ZG632553	Button Lock Spring C	CG-2303	1
5-8	ZW550642	Washer (SPC) D3.1x7.9x0.5t		1
5-9	ZW270088	'E' Ring 1.9M	6-1-9	1
5-10	ML630990	Lock Lever	MY-2213	1
5-11	MZ631012	Switch Bracket, w/pin	MY-2215	1
5-12	ML630977	Pause Lever, w/pin	MY-2211	1
5-13	ZW290283	'U' Ring 2.85M	6-1-1	2
5-14	ES249974	Micro SW. M-8-3 U/L	25-1-4	1
5-15	ZS483502	Screw, pan head 3x13		2
5-16	ZS422076	Screw, pan head 3x5		2
5-17	MZ606723	Spring T	KJ-2059	1
5-18	ZG314706	Spring IB	MR-115	1
5-19	ZG316833	DS Spring	MR-257	1

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
5-20	ZG371114	Reset Lever Spring	ED-219	1
5-21	SK631282	Push Button Knob H	91-5051	1
	TENSION ARM BLOCK			
5-22	BZ622618	Tension Arm Block Comp.	MY	1
5-23	MS625825	Tension Shaft A	MY-2024	1
5-24	MS615014	Tension Shaft B	MY-2032	1
5-25	MZ627265	Tension SW. Cam, w/weight	MY-2025	1
5-26	MZ810191	Cushion Rubber, RD	RD-278	1
5-27	ZW601075	Washer (PBP) D4.1x7x0.1t		1
5-28	ZW419646	Washer (SPC) D4.5x9.8x0.5t		2
5-29	ZW270101	'E' Ring 3M	6-1-9	1
5-30	ZG614970	Tension Spring	MY-2026	1
5-31	ES562465	Micro SW. K-1	25-1-26	1
5-32	ZS422965	Screw, pan head 3x15		2
5-33	ZW273756	Nut M3, #1		1
5-34	ML580465	Tension Arm, w/guide B	TD-2039	1
5-35	ZW535094	Decorative Washer	TW-2077	1
5-36	ZS200395	Screw, countersunk head 3x6		1

6. ILLUSTRATION OF PINCH ROLLER PLUNGER/QUICK SW. BLOCK

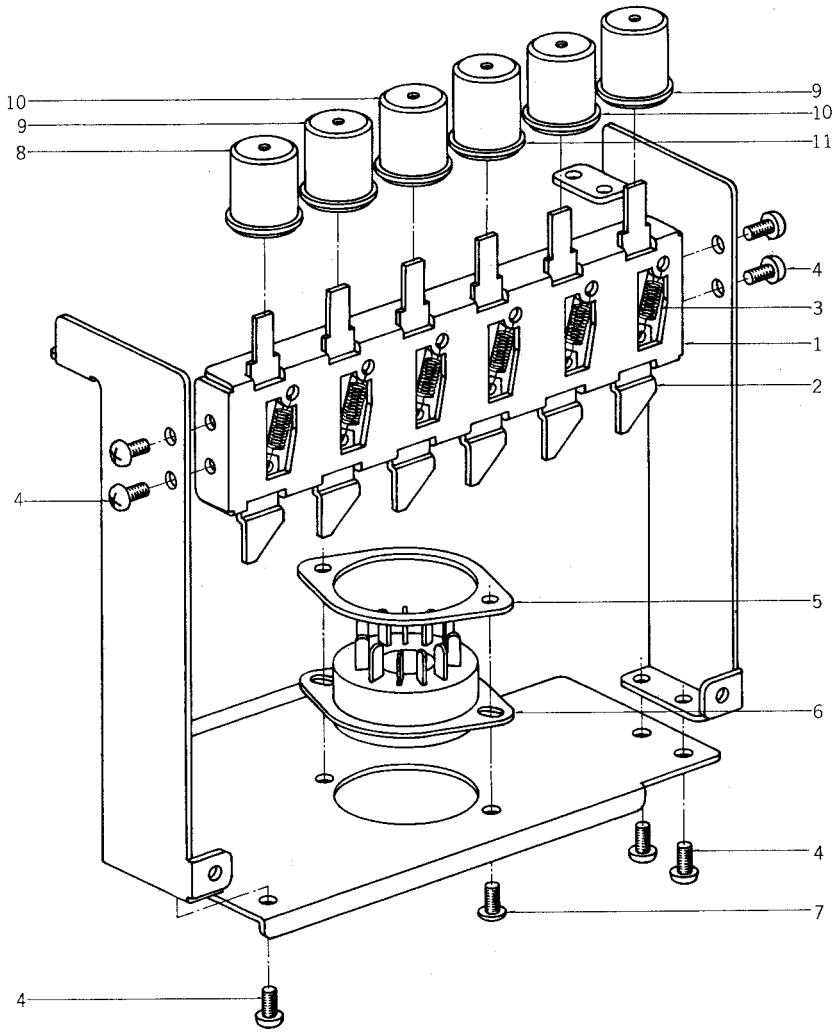


6) PINCH ROLLER PLUNGER/QUICK SW. BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
	PINCH ROLLER PLUNGER BLOCK			
6-1	EP573658	Plunger Solenoid 1660THT-3	44-1-66	1
6-2x	ED224550	Silicon Diode 10D4	45-2-16	1
6-3	ZS422076	Screw, pan head 3x5		5
6-4	MZ625770	Plunger Plate	MY-2019	1
6-5	MH533913	Connecting Pin	TW-2010	1
6-6	ZW270088	'E' Ring 1.9M	6-1-9	2
6-7	ML627254	Plunger Lever B, w/pin	MY-2205	1
6-8	ZW550642	Washer (SPC) D3.1x8x0.5t		1
6-9	ML228881	Pinch Roller Arm	MY-1305	1
6-10	MS228892	Pinch Roller Shaft	MY-1306	1
6-11	ZW273914	Spring Washer M4		2
6-12	ZW416698	Nut M4		3
6-13	MZ625443	Pinch Roller Plate A	MY-1034	1
6-14	ZW270134	'E' Ring 5M	6-1-9	1
6-15	MZ625454	Pinch Roller Plate B	MY-1035	1
6-16	ZW334653	'E' Ring 7M	6-1-9	1
6-17	ZG625465	Pinch Roller Spring	MY-1036	1
6-18	MS625184	Pinch Roller Arm Shaft	MY-1006	1
6-19	MS228903	Pinch Arm Shaft	MY-1304	1
6-20	MZ582030	Spring Hanger	TD-1018	1
6-21	ZG580768	Spoke Spring	TD-2077	1
6-22	SK631326	Pinch Roller Cap C, w/screw	MS-6020	1
6-23	ZW621854	Washer (SUP) D6.1x10x0.1t		1
6-24	ZS243516	Screw, pinch roller	XR-140	1
6-25	MP625048	Pinch Roller H, LC	LC-321	1
	QUICK SW. BLOCK			
6-26	BS622631	Quick SW. Block Comp.	MY2,3	1
6-27	MZ630944	Micro SW. Table, w/prop	MY-2208	1
6-28	ES573478	Micro SW. K-3	25-1-31	1
6-29	ZS483502	Screw, pan head 3x13		2
6-30	MH528513	SW. Pin	ND-1055	1
6-31	MH527635	SW. Pipe	ND-1054	1
6-32	ZW273756	Nut M3, #1		1
6-33	ZG529211	SW. Spring	ND-1053	1
6-34	ZW259738	Washer (Polyslider) D4.1x7x0.25t		1
6-35	ZW270101	'E' Ring 3M	6-1-9	1
6-36	MZ529391	Quick Plate	ND-1063	1
6-37	ZW622001	Washer (SPC) D3.1x13x0.5t		1
6-38	ZW438928	Washer (PBP) D3.1x4.8x0.2t		1
6-39	ZW270088	'E' Ring 1.9M	6-1-9	1

When ordering parts, Please describe Parts Number, Serial Number, and Model Number in detail.

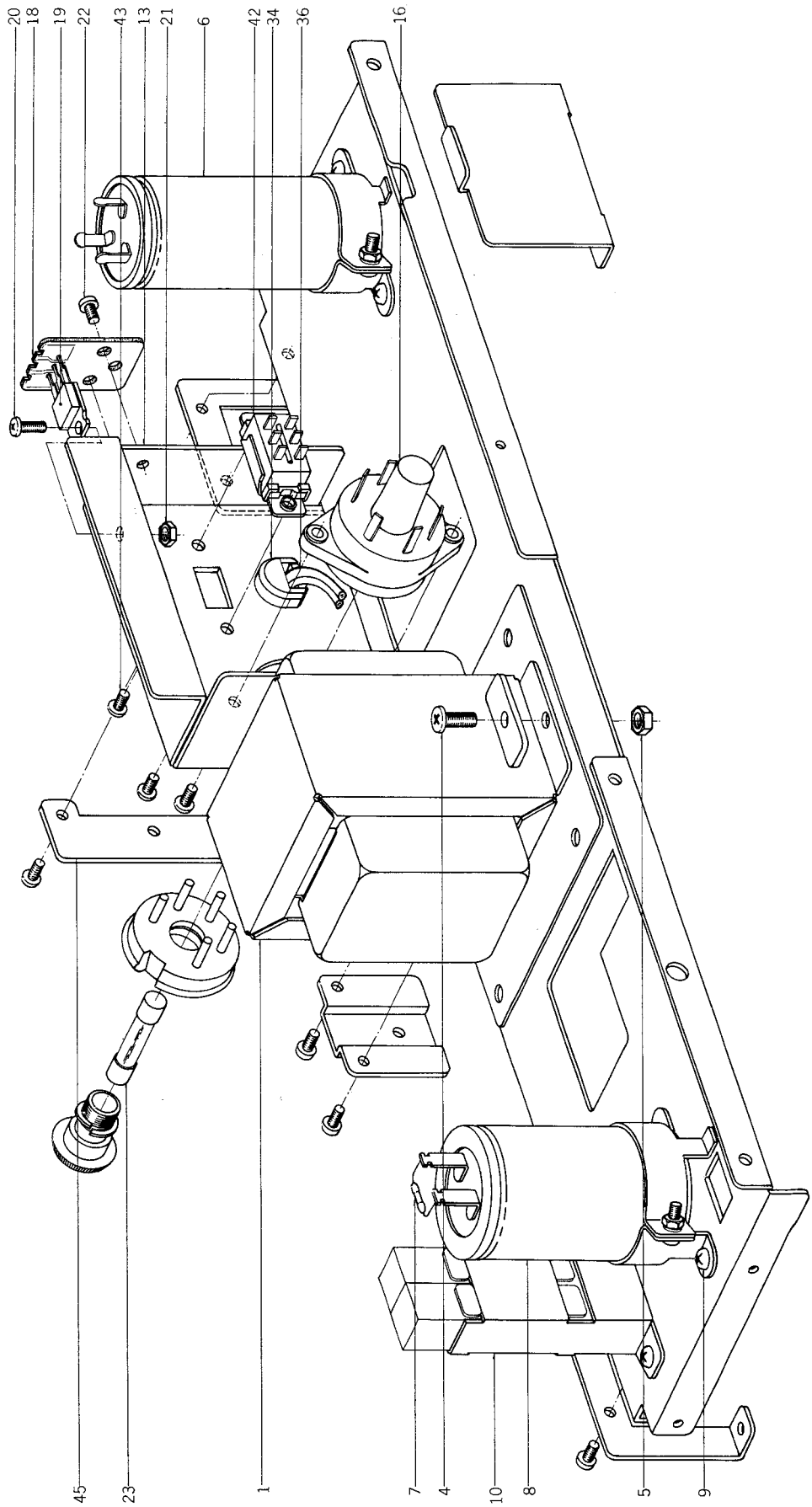
7. ILLUSTRATION OF OPERATION BLOCK



7) OPERATION BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
7-1	MZ630876	Lever Bracket	MY-2201	1
7-2	ML630887	Operation Lever	MY-2202	6
7-3	ZG456120	Setting Lever Spring (Old)	CS-1187	6
7-4	ZS325495	Tapping Screw #2 3x6 (BR)		8
7-5	MZ302400	Remote Control Socket Mt. Plate	RX-515	1
7-6	EJ222748	Socket, sub magnale #311SG	31-1-39	1
7-7	ZS201150	Screw, truss head 3x6 (Black)		2
7-8	SB643500	Button A (Red) (Old)	TE-2017	1
7-9	SB643577	Button B (Yellow) (Old)	TE-2017	2
7-10	SB640732	Button C (Green) (Old)	TE-2017	2
7-11	SB640743	Button D (Black) (Old)	TE-2017	1

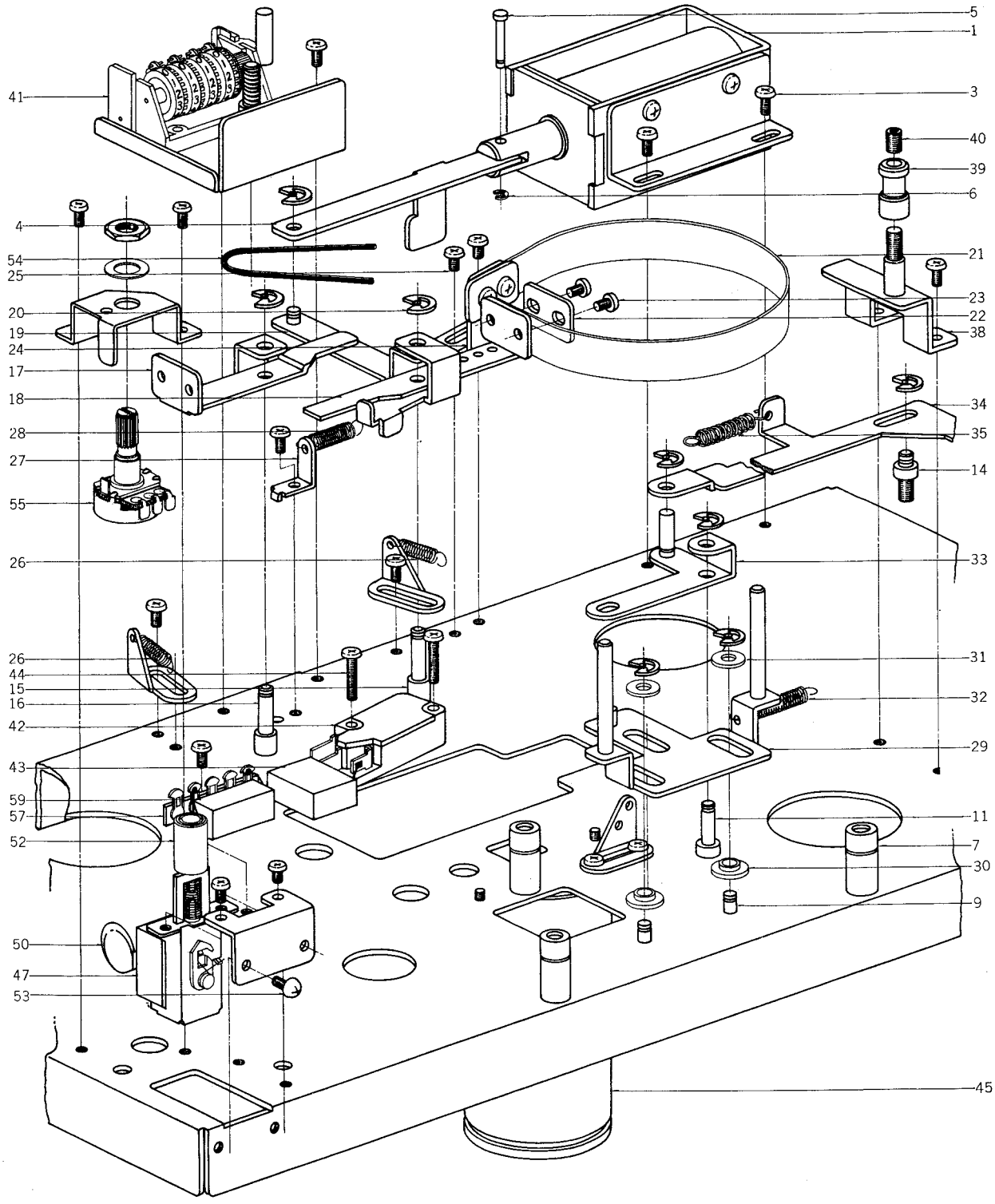
8. ILLUSTRATION OF POWER SUPPLY BLOCK



8) POWER SUPPLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
8-1	BT621922	Power Trans. MYT-1	38-4-314	1
8-2x	BT621990	Power Trans. MYT-12 (CEE)	38-4-317	1
8-3x	BT621988	Power Trans. MYT-11 (CSA, JPN)	38-4-316	1
8-4	ZS424056	Screw, pan head 4x10		2
8-5	ZW413188	Nut M4, #1		2
8-6	EC364858	Elect./C. 330μF 160WV (Lug Type)	24-10-56	1
8-7	ER365016	Carbon/R. RD1/4 220k (J)	35-9-5	1
8-8	EC593763	MP/C. 3.5+1.5μF 150WV AC (Lug Type Uni/D)	24-9-88	1
8-9	ZS325495	Tapping Screw #2 3x6 (BR)		13
8-10	ER575640	Cement/R. H(20+20)B(43+220+180)K	35-16-54	1
8-11x	EZ624047	Cord Retainer	2-7-48	4
8-12x	EZ621900	Cord Holder 4772 (CSA, CEE, JPN)	2-7-47	1
8-13	MZ626861	VS Table A	MY-2030	1
8-14x	MZ625858	VS Table B (CEE, CSA)	MY-2030	1
8-15x	MZ647133	VS Table C (JPN)	MY-2030	1
8-16	EJ233370	Socket (Volt. Selector) S-18010	40-2-3	1
8-17x	ZS201150	Screw, truss head 3x6 (Black)		2
8-18	EA628075	Transistor P.C Board	MY-2054	1
8-19	ET621786	Transistor TIP-48	45-1-197	1
8-20	ZS421806	Screw, pan head 3x8		1
8-21	ZW273756	Nut M3, #1		1
8-22	ZS422076	Screw, pan head 3x5		2
8-23	EF563703	Fuse 2A 250V	39-1-50	1
8-24x	EF602550	Fuse (SEMKO T Type) 1.25AT 250V (CEE)	39-1-53	1
8-25x	EF601942	Fuse (SEMKO T Type) 630MAT (CEE)	39-1-53	5
8-26x	EF623103	Fuse (SEMKO T Type) 1 AT (CEE)	39-1-53	1
8-27x	EF511637	Fuse ULMF61M 250V 1A (CSA)	39-1-45	4
8-28x	EF511604	Fuse ULMF61M 250V 0.4A (CSA)	39-1-45	1
8-29x	EF563681	Fuse 1A 250V (JPN)	39-1-50	4
8-30x	EF563703	Fuse 2A 250V (JPN)	39-1-50	2
8-31x	EF624543	Fuse ULMF61M 250V 2A (CSA)	39-1-45	2
8-32x	EZ614586	Fuse Table MY (CEE, CSA, JPN)	MY-2043	2
8-33x	ZS455207	Tapping Screw #2 3x5 (BR) (CEE, CSA, JPN)		4
8-34	EZ631945	Strain Relief SR-4N-4	2-7-49	1
8-35x	EZ246936	Strain Relief SR-6W-1 (CEE)	2-7-8	1
8-36	EW374894	AC Cord CUL 3M	26-3-19	1
8-37x	EW207742	AC Cord CUL (CSA)	26-3-45	1
8-38x	EW524845	AC Cord 2.5M (JPN)	26-3-31	1
8-39x	EW516600	AC Cord (CEE) VM-0065	26-3-28	1
8-40x	EJ205986	Cramp Terminal 2-SD	32-1-8	2
8-41x	EJ208001	10P Multi Jack	31-4-25	1
8-42	ES479485	Slide SW. S-1	25-3-66	1
8-43	ZS383951	Screw, truss head 3x5		2
8-44x	SM647245	Cycle Name Plate	MY-2058	1
8-45	MZ675652	Plate Holder	MY-2227	1
8-46x	ZS447840	Tapping Screw #2 3x8 (BR)		1
8-47x	EA624554	Fuse P.C Board MY-2 (A) (CEE)	33-2-48	1
8-48x	EA624546	Fuse P.C Board MY-2 (B) (CEE)	33-2-49	1
8-49x	EA624521	Fuse P.C Board MY-1 (A) (CSA, JPN)	33-2-46	1
8-50x	EA204164	Fuse P.C Board 4P (CSA)	33-2-55	1
8-51x	EA624532	Fuse P.C Board MY-1 (B) (JPN)	33-2-47	1
8-52x	EA614632	Fuse P.C Board MY-2 (CEE)	MY-2046	1
8-53x	EA615093	Fuse P.C Board MY-1 (CSA, JPN)	MY-2045	1
8-54x	EA614621	Fuse P.C Board EG (CSA)	EG-5075	1
8-55x	ZS462925	Tapping Screw #2 4x8 (BR) (CEE, CSA, JPN)		4
8-56x	ZW273881	Earth Lug M4 (CEE)		1
8-57x	ZW273892	Toothed Lock Washer M4 (CEE)		1
8-58x	ZS413201	Screw, pan head 4x8 (CEE)		1
8-59x	ZW416698	Nut M4 (CEE)		1
8-60x	EZ684663	BEAB Fuse Holder MY (CEE)	40-2-10	1
8-61x	MT553948	Wire Band B-100 (CEE)	2-35-3	1
8-62x	ER593370	Cement/R. 5W 200 ohms (K) (Wire-wound Type) (CSA)	35-16-3	1

9. ILLUSTRATION OF MECHA ASSEMBLY BLOCK



9) MECHA ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
		BRAKE PLUNGER BLOCK		
9-1	EP650081	Plunger Solenoid SDC-1064	44-1-75	1
9-2x	ED224550	Silicon Diode 10D4	45-2-16	1
9-3	ZS422076	Screw, pan head 3x5		2
9-4	MZ630922	Plunger Joint	MY-2206	1
9-5	MH257477	Connecting Pin	RD-211	1
9-6	ZW270088	'E' Ring 1.9M	6-1-9	1
		MECHA ASSEMBLY BLOCK		
9-7	MH625140	Head Base Prop	MY-1002	3
9-8x	ZS413201	Screw, pan head 4x8		3
9-9	MH581927	Shifter Guide Post	TD-1006	3
9-10x	ZW273756	Nut M3, #1		3
9-11	MZ625151	Shifter Lever Post	MY-1003	1
9-12x	ZW416698	Nut M4		4
9-13x	EJ514607	Wire Clip 220-JD485210-01 (Nylon)	2-7-18	2
9-14	MZ627210	Joint Lever Post	MY-1203	1
9-15	MH625195	Brake Lever Prop	MY-1007	1
9-16	MH317373	Brake Lever Prop	MR-102	1
9-17	ML396810	Brake Lever B	KD-1038	1
9-18	ML314976	Brake Lever A	MR-210	1
9-19	ML627232	Brake Lever D, w/pin	MY-1205	1
9-20	ZW290283	'U' Ring 2.85M	6-1-1	9
9-21	MT314987	Brake Band	MR-213	2
9-22	MZ314998	Brake Band Retaining Plate	MR-212	4
9-23	ZS422076	Screw, pan head 3x5		30
9-24	MZ315000	Brake Band Support	MR-214	2
9-25	ZS417216	Screw, pan head 3x4		4
9-26	ZG315011	Brake Lever Spring	MR-116	2
9-27	MZ582030	Spring Hanger	TD-1018	1
9-28	ZG371114	Reset Lever Spring	ED-219	1
9-29	MZ625342	Shifter Plate, w/pin	MY-1024	1
9-30	ZW580173	Guide Washer	TD-1055	3
9-31	ZW420682	Washer (Nylon) D4.2x9x0.5t		3
9-32	ZG535105	Tension Arm Spring	TW-2078	1
9-33	ML627197	Shifter Lever B, w/pin	MY-1201	1
9-34	ML627221	Joint Lever	MY-1204	1
9-35	ZG625375	Play Spring	MY-1027	1
9-36x	ZS325495	Tapping Screw #2 3x6 (BR)		4
9-37x	ZW260010	Washer (PBP) D6.1x10x0.1t		1
9-38	MZ625511	Reverse Guide Table	MY-1041	1
9-39	HZ315090	Reverse Guide	RD-225	1
9-40	ZS344463	Set Screw, hexagon socket 4x6 (CUP/P.)		1
9-41	MC621887	Counter MP-490-21	9-1-38	1
9-42	ES573456	Micro SW. K-2	25-1-30	1
9-43	ER376435	Spark Quencher U/L 0.1μ+120 ohms 250WV	41-1-35	1
9-44	ZS422965	Screw, pan head 3x15		2
9-45	EC641136	MP/C. 4+4μF 250WV AC (Lug Type Uni/D.)	24-9-103	1
9-46x	EC536927	MP/C. 3μFx2 250WV AC (Lug Type Uni/D.)	24-9-79	1
9-47	ES479395	Push SW. TV-3 JH5	25-5-62	1
9-48x	ES499972	Push SW. JS-09 (CEE)	25-5-67	1
9-49x	EA626411	Power SW. P.C Board (CEE, CSA, JPN)	MY-1054	1
9-50	EC551160	Ceramic/C. NB821YZ 0.01μF (Z) 1.4 kWV	24-5-55	2
9-51x	EC565896	Ceramic/C. DP6600YM 0.01μF (P) 1.4 kWV (CSA, JPN)	24-5-58	1
9-52	SK631304	Push Button Knob I	91-5051	1
9-53	ZS417216	Screw, pan head 3x4		2
9-54	MB625566	Counter Belt	MY-1046	1
9-55	EV661937	Vol. V16L4N 1 k (B) (w/center click)	36-6-17	1
9-56x	EJ205986	Cramp Terminal 2-SD	32-1-8	15
9-57	EJ255115	Lug Plate VB2L2	33-4-3	1
9-58x	EJ255093	Lug Plate VB1L1 (CSA)	33-4-1	1
9-59	ER554556	Cement/R. 5W 39 ohms (K) (Wire-wound Type)	35-16-3	1
9-60x	ZW562476	Earth Lug M3		1
9-61x	EZ621900	Cord Holder 4772	2-7-47	1

10. P.C BOARDS

(1) SERVO P.C BOARD (TE-2301) BLOCK

Symbol No.	Parts No.	Description	Q'ty
(1)-1	BA660688	Servo P.C Board Comp. (TE-2301)	1
(1)-TR1to4	ET639437	Transistor 2SC945L (Q) (P)	4
(1)-TR5	ET538154	Transistor 2SA564 (Q) (R)	1
(1)-TR6	ET399846	Transistor 2SC945L (Q)	1
(1)-TR7	ET623867	Transistor 2SD361 (D1) (D2)	1
(1)-TR8	ET399881	Transistor 2SC711 (F)	1
(1)-TR9	ET623867	Transistor 2SD361 (D1) (D2)	1
(1)-TR10	ET639437	Transistor 2SC945L (Q) (P)	1
(1)-D1	ED557447	Silicon Diode 1S1588	1
(1)-D2	ED357794	Zener Diode RD-5A (M)	1
(1)-D3	ED560913	Silicon Diode 1S2473VE	1
(1)-D5to8	ED224548	Silicon Diode 10D2	4
(1)-D10	ED560913	Silicon Diode 1S2473VE	1
(1)-TH1	ED593357	Thermister 34D21	1
(1)-VR1	EV621955	Semi-fixed/Vol. V10K8-1-5 10 kB	1
(1)-VR2	EV621966	Semi-fixed/Vol. V10K8-1-5 30 kB	1
(1)-VR4	EV497711	Semi-fixed/Vol. V10K8-1-5 500 ohmsB (4US)	1
(1)-2	EZ615047	Heat-sink Plate A	1
(1)-3	ZS421806	Screw, pan head 3x8	1
(1)-4	ZW273756	Nut M3, #1	1
(1)-5	ZS422076	Screw, pan head 3x5	6
(1)-6	EZ615060	P.C Board Holder B	1
(1)-7	EZ615071	P.C Board Holder C	1
(1)-8	EJ350447	Test Terminal	2
(1)-C7	EC557166	Solid Aluminum/C. 3.3μF 25WV (Vert. Type)	1
(1)-R18	ER622045	Cement/R. 2W 330 ohms (K) (Metal Ox. Film/T)	1

(2) SYS. CON P.C BOARD (MY-2221) BLOCK

Symbol No.	Parts No.	Description	Q'ty
(2)-1	BA695125	Sys. Con P.C Board Comp. (MY-2221)	1
(2)-TR1to7	ET398711	Transistor 2SC945L (Q) (R)	7
(2)-TR8	ET208012	Transistor 2SD571 (K)	1
(2)-TR9	ET398711	Transistor 2SC945L (Q) (R)	1
(2)-TR10	ET520266	Transistor 2SC1211 (E)	1
(2)-TR11,12	ET398711	Transistor 2SC945L (Q) (R)	2
(2)-D1	ED624903	Silicon Diode 1S2473	1
(2)-D2to7	ED560913	Silicon Diode 1S2473VE	6
(2)-D8	ED624903	Silicon Diode 1S2473	1
(2)-D9to14	ED560913	Silicon Diode 1S2473VE	6
(2)-D15to33	ED624903	Silicon Diode 1S2473	19
(2)-D34to36	ED560913	Silicon Diode 1S2473VE	3
(2)-2	ZS609298	Screw, flat fillister head 3x6	6
(2)-3	ZW273756	Nut M3, #1	6
(2)-4	ZW273802	Toothed Lock Washer M3	6

(3) POWER SUPPLY P.C BOARD (MY-2222) BLOCK

Symbol No.	Parts No.	Description	Q'ty
(3)-1	BA210082	Power Supply P.C Board Comp. (MY-2222)	1
(3)-TR1	ET511920	Transistor 2SC1247A (B) (V)	1
(3)-TR2	ET398711	Transistor 2SC945L (Q) (R)	1
(3)-TR3	ET393568	Transistor 2SD234 (Y) (O)	1
(3)-D1to4	ED494583	Silicon Diode 10D05	4
(3)-D5	ED357794	Zener Diode RD-5A (M)	1
(3)-D6to8	ED624903	Silicon Diode 1S2473	3
(3)-D9to13	ED224550	Silicon Diode 10D4	5
(3)-RL1,2	EP638763	Relay MY4-02-US DC24V	2
(3)-RL3	EP616500	Relay LC1-C-JT DC24V	1
(3)-CR1to7	ER376435	Spark Quencher U/L 0.1μ+120 ohms 250WV	7
(3)-VR1	EV554670	Semi-fixed/Vol. V10K8-1-5 1 kB	1
(3)-2	EZ626849	Heat-sink Plate B	1
(3)-3	ZS421806	Screw, pan head 3x8	1
(3)-4	ZW273756	Nut M3, #1	1
(3)-5	ZS422076	Screw, pan head 3x5	3
(3)-6	EZ615058	P.C Board Holder A	1
(3)-7	ZS558101	Screw, pan head 3x6 w/washer	1
(3)-8	EZ209215	Insulator Bush	1
(3)-9	EZ650913	Mylar Film	1
(3)-C5,6	EC419466	MP/C. 0.47μF(K) 50WV (Tub. Type)	2
(3)-R6	ER563253	Cement/R. 3W 2.2 ohms (K) (Wire-wound Type)	1

(4) PB P.C BOARD (MY-5323) BLOCK

Symbol No.	Parts No.	Description	Q'ty
(4)-1	BA210284	PB P.C Board Comp. (MY-5323)	1
(4)-IC1	EI669666	IC μPC1023H	4
(4)-TR1to3	ET391768	Transistor 2SC458LG (C) (D)	12
(4)-TR4	ET398711	Transistor 2SC945L (Q) (R)	4
(4)-D1	ED219464	Germanium Diode 1N34A	4
(4)-VR1	EV523620	Semi-fixed/Vol. V8K4-1 500 ohms(B)	4
(4)-VR2	EV464220	Semi-fixed/Vol. V8K4-1 50 kB	4
(4)-T1	BT490702	Headphone Trans. N19-349S	4
(4)-F1	ER207696	Low Pass Filter	4
(4)-C4	EC676721	Styrol/C. 470PF(K) 50WV (Vert. Type)	4
(4)-C10	EC208350	Styrol/C. 100PF(K) 50WV (Vert. Type)	4
(4)-C11	EC536207	Tantalum/C. 1μF(K) 35WV (DTS Type)	4
(4)-C13	EC572771	Tantalum/C. 0.15μF(K) 35WV (DTS Type)	4
(4)-C17	EC676721	Styrol/C. 470PF(K) 50WV (Vert. Type)	4
(4)-VR3	EV478686	Semi-fixed/Vol. V8K4-1 1 kB	4

(5) REC. OSC P.C BOARD (MY-5322) BLOCK

Symbol No.	Parts No.	Description	Q'ty
(5)-1	BA210328	Rec., Osc P.C Board Comp. (MY-5322)	1
(5)-IC1,2	EI669666	IC μPC1023H	8
(5)-TR1	ET398711	Transistor 2SC945L (Q) (R)	4
(5)-TR2,3	ET520288	Transistor 2SC1247A (V)	2
(5)-TR4	ET666404	Transistor 2SC571 (K) (L)	1
(5)-D1to3	ED560913	Silicon Diode 1S2473VE	3
(5)-VR1	EV207753	Double/Vol. DJ60R512 50kAx2	4
(5)-VR2	EV499364	Semi-fixed/Vol. V10K8-4-2 5 kB	4
(5)-T1	EO383365	Osc. Coil OT-204	1
(5)-RL1,2	EP621808	Relay MTS-2	2
(5)-L1	EO424866	Ferri Inductor FL7H 1.2MH (J)	4
(5)-L2to5	EO243977	Ferri Inductor FL7H 1MH (J)	4
(5)-R34	ER427972	Metal Oxide Film/R. 2W 68 ohms(K)	1
		Capacitor	
(5)-C3	EC676721	Styrol 470PF(K) 50WV (Vert. Type)	4
(5)-C9	EC572771	Tantalum 0.15μF(K) 35WV (DTS Type)	4
(5)-C10	EC676721	Styrol 470PF(K) 50WV (Vert. Type)	4
(5)-C11	EC663704	Styrol 390PF(J) 50WV (Vert. Type)	4
(5)-C15	EC496890	Tantalum 0.22μF(K) 35WV (DTS Type)	4
(5)-C24	EC207898	Trimmer TM-110 100PF	1
(5)-C26	EC207898	Trimmer TM-110 100PF	1
(5)-C28	EC207898	Trimmer TM-110 100PF	1
(5)-C30	EC207898	Trimmer TM-110 100PF	1
(5)-C31	EC461057	Plastic Film/C. 2400PF(J) 500WV	1

(6) DUMMY P.C BOARD (MY-5321) BLOCK

Symbol No.	Parts No.	Description	Q'ty
(6)-1	BA210238	Dummy P.C Board Comp. (MY-5321)	1
(6)-L1to4	EO208372	Ferri Inductor FL9H 240μH(J)	4
(6)-C1,2	EC207707	Styrol/C. 820PF(J) 250WV (Tub. Type)	2
(6)-2	MZ698736	P.C Board Table	1
(6)-3	ZS516205	Tapping Screw #2 3x8 (BR) w/washer	2
(6)-4	ZW273802	Toothed Lock Washer M3	2

(7) QUADRA P.C BOARD (MY-5329) BLOCK

Symbol No.	Parts No.	Description	Q'ty
(7)-1	BA210216	Quadra P.C Board Comp. (MY-5329)	1
(7)-L1	EO575482	Ferri Inductor FL7H 150μH(J)	4
(7)-SW1	ES207718	Push SW. 5FT-0001FF5020	1
(7)-2	EA204851	Quadra P.C Board A (MY-5328)	1
(7)-3	EA200373	Quadra P.C Board C	2
(7)-C1	EC208350	Styrol/C. 100PF(K) 50WV (Vert. Type)	4

(8) EQ. P.C BOARD (MY-5325) BLOCK

Symbol No.	Parts No.	Description	Q'ty
(8)-1	BA210227	EQ. P.C Board Comp. (MY-5325)	1
(8)-L1to4	EO243977	Ferri Inductor FL7H 1MH(J)	4
(8)-2	EA204816	EQ. P.C Board A	1
(8)-SW1	ES207720	Push SW. 4FT-0001FF5020	1

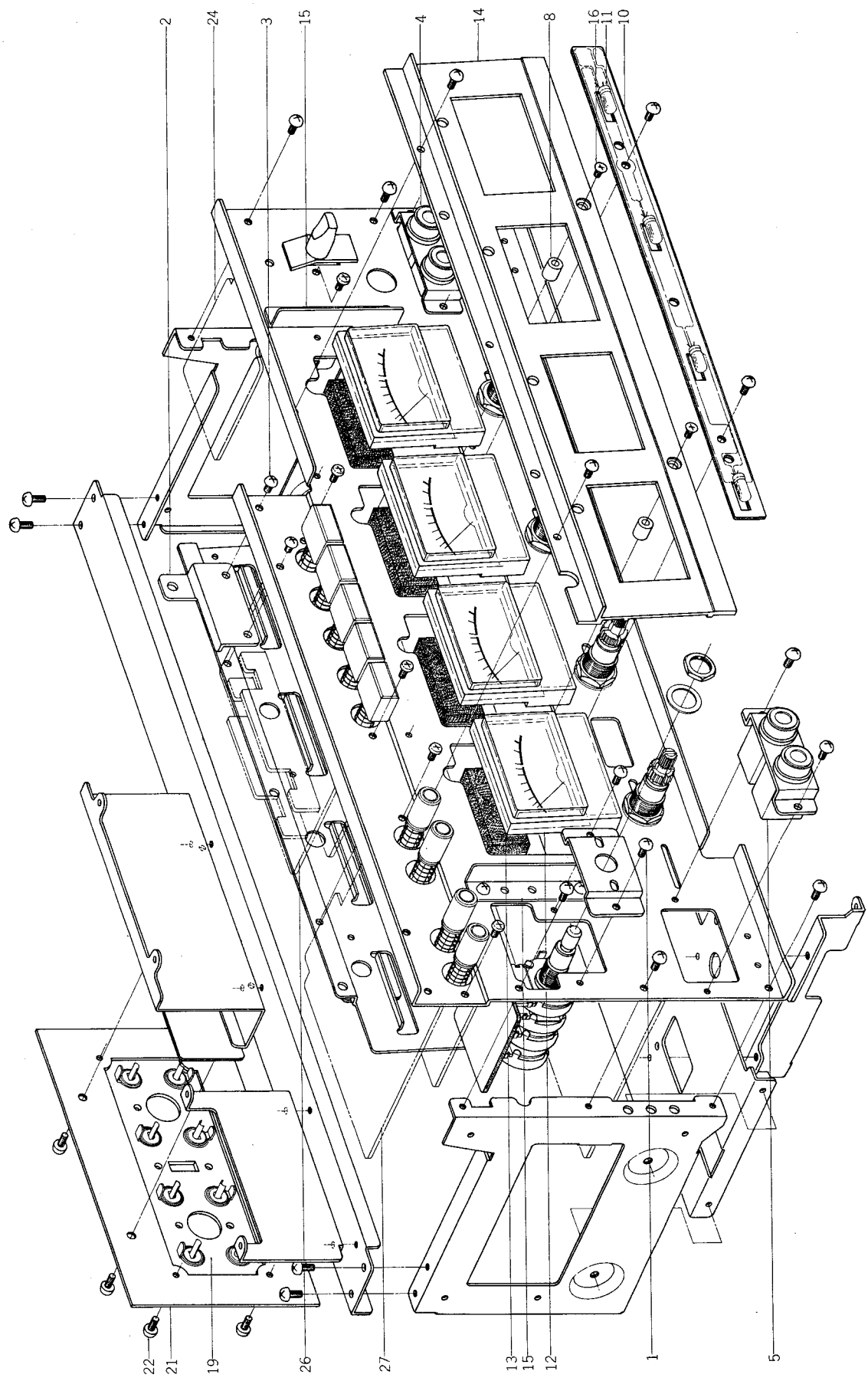
(9) VOL. P.C BOARD (TE-5305) BLOCK

Symbol No.	Parts No.	Description	Q'ty
(9)-1	BA210172	Vol. P.C Board Comp. (TE-5305)	1
(9)-VR1	EV424743	2-axial 4-throw/Vol. KJ-60R 50 kAx4	1

(10) MONITOR SW. P.C BOARD (MY-5327) BLOCK

Symbol No.	Parts No.	Description	Q'ty
(10)-1	BA210183	Monitor SW. P.C Board Comp. (MY-5327)	1
(10)-TR1	ET603257	Transistor 2SC1312S(G) (H)	4
(10)-D1,2	ED560913	Silicon Diode 1S2473VE	2
(10)-RL1	EP621808	Relay MTS-2	1
(10)-SW1	ES207685	Lever SW. SLA34215	1

11. ILLUSTRATION OF AMP ASSEMBLY BLOCK



11) AMP ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
	CENTER FRAME BLOCK			
11-1	ZS325495	Tapping Screw #2 3x6 (BR)		48
	FRONT CHASSIS BLOCK			
11-2	MZ203646	Amp Chassis Holder	MY-5308	1
11-3	ZS422076	Screw, pan head 3x5		2
11-4	EJ207810	2-throw Mic Jack	31-2-74	2
11-5	EJ207821	2-throw Headphone Jack	31-2-75	1
11-6	MZ203668	Panel Holder	MY-5312	2
11-7x	EA204838	Rec Lamp P.C Board	MY-5326	1
11-8x	ED522887	LED SR-103D	45-15-2	4
11-9x	ER392534	Carbon/R. RD1/4 2k (J)	35-9-5	4
11-10	EA204772	Lamp P.C Board	MY-5320	1
11-11	EL621167	Lamp (L/T) 5.5V 60mA	28-2-36	4
11-12	EM558180	VU Meter KL-243S-21	46-1-74	4
11-13	SZ650935	VU Mat	CG-5820	4
11-14	SP204107	Meter Panel	MY-5314	1
11-15	SP203681	Side Panel	MY-5316	2
11-16	ZS327835	Screw, countersunk head 3x5		2
11-17x	ZW273802	Toothed Lock Washer M3		1
11-18x	EZ638965	Cord Support	2-7-50	5
	JACK PLATE BLOCK			
11-19	BJ653703	Jack Plate SS	31-5-126	1
11-20x	SM653714	Jack Name Plate	TE-5311	1
11-21	EZ203692	Jack Plate Base	MY-5317	1
11-22	ZS447761	Tapping Screw #2 3x6 (BR) (Black)		4
11-23x	EZ624047	Cord Retainer	2-7-48	2
	AMP ASSEMBLY BLOCK			
11-24	BA210183	Monitor SW. P.C Board Comp.	MY-5327	1
11-25x	ZS422076	Screw, pan head 3x5		2
11-26	BA210216	Quadra P.C Board Comp.	MY-5329	1
11-27	BA210227	EQ. P.C Board Comp.	MY-5325	1
11-28x	ZS422076	Screw, pan head 3x5		2

12. PHOTO OF FINAL ASSEMBLY BLOCK

12) FINAL ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
	FRONT PANEL BLOCK			
12-1x	BD682244	Front Panel Block Comp.	MY-3	1
12-2	SE626940	Reel Table Escutcheon	MY-6004	2
12-3x	ZW575730	Speed Nut (P Type) 3	6-3-6	14
12-4	SC627107	Head Cover Base	MY-6005	1
12-5x	MH615161	Head Cover Prop	MY-6008	2
12-6x	ZW413188	Nut M4, #1		2
12-7	SE626951	Counter Escutcheon	MY-6006	1
12-8	SE613888	Button Escutcheon A	CW-6021	6
12-9	SE613886	Button Escutcheon C	CW-6016	6
*12-10	SF287010	Button Escutcheon	MY-6312	1
*12-11	SB286920	Operate Button (A) (Red)	MY-6313	1
*12-12	SB286931	Operate Button (B) (Yellow)	MY-6313	2
*12-13	SB286942	Operate Button (C) (Green)	MY-6313	2
*12-14	SB286953	Operate Button (D) (Black)	MY-6313	1
*12-15	ZG287008	Spring, Button Return	MY-6315	6
	CASE BLOCK			
12-16	BC204153	Case	MY-6305	1
12-17	SZ632070	Square Foot	MY-6026	2
12-18x	ZS424980	Tapping Screw #2 4x12 (Truss)		4
12-19x	SE627120	Ventilator (Large)	MY-6014	1
12-20x	ZS392141	Tapping Screw #1 3x8 (Truss)		2
12-21	SZ480712	Dust Cover Pin	LE-6024	2
12-22x	SE674673	Ventilator B (Small)	TE-6025	1
12-23x	ZS200698	Tapping Screw #2 3x8 (Round)		2
	ASSEMBLY BLOCK			
12-24x	ZS325495	Tapping Screw #2 3x6 (BR)		28
12-25x	ML203635	Panel Angle	MY-5307	2
12-26x	ZS417216	Screw, pan head 3x4		1
12-27	SA428714	LM Rubber Foot, w/screw	LM-404	4
12-28x	ZS324281	Screw, pan head 4x25		4
12-29x	ZW419646	Washer (SPC) D4.5x9.8x0.5t		4
12-30x	ZS665550	Screw, pan head 4x15, w/washer		3
12-31x	ZS664345	Screw, pan head 4x30, w/washer		2
12-32	ZS613901	Panel Screw	CW-6031	6
12-33	SK638976	Knob 1-C	CP-5018	1
12-34	SC627118	Head Cover	MY-6011	1
12-35	SM204096	Head Cover Name Plate	MY-6302	1
12-36x	SZ639562	Head Cover Retainer B	ND-6018	2
12-37	SK640912	Double Knob (Upper)	TE-6011	4
12-38	SK640923	Double Knob (Lower)	TE-6012	4
12-39	SK653760	Double Knob (Lower)	TE-6307	1
12-40	SK653758	Double Knob (Upper)	TE-6306	1
12-41	SK647548	Single Knob (Small)	CJ-6031	1
12-42x	EF563681	Fuse 1A 250V	39-1-50	1
12-43	SK634410	Push Button Knob J	91-5051	4
12-44x	ZS447840	Tapping Screw #2 3x8 (BR) (CSA)		1

* NOTE: Ref. No. 12-10 to 12-15 are utilized from Serial No. 20107-0001.

When ordering parts, Please describe Parts Number, Serial Number, and Model Number in detail.

13. LIST OF INTERCHANGEABLE SEMICONDUCTORS

As far as service in concerned, in case the original parts cannot be obtained, the interchangeable parts listed below can be substituted.

Original Parts			Interchangeable Parts	
Description	Parts No.	Utilizing P.C Board	Description	Parts No.
2SA564 (Q) (R)	ET538154	TE-2301	2SA733 (Q) (R)	ET557965
2SC458LG (C) (D)	ET234854	MY-5323	2SC693U (F) 2SC1312 (G) (H)	ET539133 ET517623
2SC711 (F)	ET399881	TE-2301	2SC945L (Q) (R) 2SC1647 (R) (S) (E)	ET398711 ET623733
2SC945L (Q) (R)	ET398711	MY-2221 MY-2222	2SC536 (F) (G) (H) 2SC1647 (S) (E)	ET632215 ET542424
2SC945L (P) (Q)	ET639437	MY-5322 MY-5323, TE-2301	2SC536 (F) (G) (H) 2SC1647 (S) (E)	ET632215 ET592424
2SC1211 (E)	ET520266	MY-2221	2SC1175 (E) (F) 2SC1247A (B) (V)	ET622080 ET511290
2SC1247A (B) (V)	ET511920	MY-2222, MY5322	2SC1211 (Q) (R)	ET511694
2SC1312S (G) (H)	ET603257	MY-5323	2SC458LG (C) 2SC693U (F)	ET234854 ET539133
2SD234 (O) (Y)	ET393568	MY-2222	2SD313 (D) (E) (F)	ET522911
2SD361 (D1) (D2)	ET623876	TE-2301	2SD361 (D) (E) 2SC1061 (B) (C)	ET537000 ET375603
2SD571 (K) (L)	ET666404	MY-2221, MY-5322	2SC1384 (Q) (R)	ET565852
T1P48	ET621786	MY-5054	T1P47	ET621775
μPC1023H	EI669666	MY-5322, MY-5323	TA7122P	EI669712
1N34A	ED219464	MY-5323	1S188AM 1N60	ED562386 ED428264
1S1588	ED557447	TE-2301	1S2473 WG599	ED624903 ED514721
1S2473	ED624903	MY-2221	1S1588	ED557447
1S2473VE	ED560913	MY-2221 MY-5322 MY-5327, TE-2301	WG599 WG713 1S1588	ED514721 ED515790 ED557447
10D05	ED494583	MY-2222	1N4001	ED538615
10D2	ED224548	TE-2301	1N4003	ED570295
10D4	ED224550	MY-2222	1N4004	ED570273
TD5A (M)	ED357794	MY-2222 TE-2301	RD5A	ED229094

INDEX

Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.
BA210082	(3)-1	ED560913	(1)-D3	ET399846	(1)-TR6	ML580465	5-34	SE626940	12-2
BA210172	(9)-1	ED560913	(1)-D10	ET399881	(1)-TR8	ML627197	9-33	SE626951	12-7
BA210183	(10)-1	ED560913	(2)-D2to7	ET511920	(3)-TR1	ML627221	9-34	SE627120	12-19x
BA210183	11-24	ED560913	(2)-D9to14	ET520266	(2)-TR10	ML627232	9-19	SE674673	12-22x
BA210216	(7)-1	ED560913	(2)-D34to36	ET520288	(5)-TR2,3	ML627254	6-7	SF287010	12-10
BA210216	11-26	ED560913	(5)-D1to3	ET538154	(1)-TR5	ML630887	7-2	SK631282	5-21
BA210227	(8)-1	ED560913	(10)-D1,2	ET603257	(10)-TR1	ML630955	5-3	SK631304	9-52
BA210227	11-27	ED593357	(1)-TH1	ET621786	8-19	ML630966	5-4	SK631326	6-22
BA210238	(6)-1	ED624903	(2)-D1	ET623867	(1)-TR7	ML630977	5-12	SK634410	12-43
BA210284	(4)-1	ED624903	(2)-D8	ET623867	(1)-TR9	ML630990	5-10	SK638976	12-33
BA210328	(5)-1	ED624903	(2)-D15to33	ET639437	(1)-TR1to4	MP625048	6-25	SK640912	12-37
BA660688	(1)-1	ED624903	(3)-D6to8	ET639437	(1)-TR10	MR284433	4-21	SK640923	12-38
BA695125	(2)-1	EF511604	8-28x	ET666404	(5)-TR4	MR317507	2-17	SK647548	12-41
BC204153	12-16	EF511637	8-27x	EV207753	(5)-VR1	MS228892	6-10	SK653758	12-40
BD682244	12-1x	EF563681	8-29x	EV424743	(9)-VR1	MS228903	6-19	SK653760	12-39
BH210137	1-1x	EF563681	12-42x	EV464220	(4)-VR2	MS342000	2-6	SM204096	12-35
BI657112	4-1x	EF563703	8-23	EV478686	(4)-VR3	MS597148	4-8	SM647245	8-44x
BJ653703	11-19	EF563703	8-30x	EV497711	(1)-VR4	MS615014	5-24	SM653714	11-20x
BM314741	2-1	EF601942	8-25x	EV499364	(5)-VR2	MS625072	1-10	SP203681	11-15
BM600298	3-1	EF602550	8-24x	EV523620	(4)-VR1	MS625184	6-18	SP204107	11-14
BR398430	2-2x	EF623103	8-26x	EV554670	(3)-VR1	MS625825	5-23	SZ480712	12-21
BR398441	2-3x	EF624543	8-31x	EV621955	(1)-VR1	MT255420	2-5	SZ632070	12-17
BS622631	6-26	EI669666	(4)-IC1	EV621966	(1)-VR2	MT314987	9-21	SZ639562	12-36x
BT490702	(4)-T1	EI669666	(5)-IC1,2	EV661937	9-55	MT397225	2-10	SZ650935	11-13
BT621922	8-1	EJ205986	8-40x	EW207742	8-37x	MT436860	2-13	TC515575	5-6
BT621988	8-3x	EJ205986	9-56x	EW374894	8-36	MT488147	2-4	ZG255633	2-7
BT621990	8-2x	EJ207810	11-4	EW516600	8-39x	MT495606	2-11	ZG287008	12-15
BZ283432	4-22	EJ207821	11-5	EW524845	8-38x	MT495617	2-12x	ZG314706	5-18
BZ622618	5-22	EJ208001	1-30x	EZ203692	11-21	MT516565	2-8	ZG315011	9-26
BZ624813	5-1x	EJ208001	8-41x	EZ209215	(3)-8	MT553948	8-61x	ZG316833	5-19
EA200373	(7)-3	EJ222748	7-6	EZ246936	8-35x	MV368886	3-3	ZG317496	2-14
EA204164	8-50x	EJ233370	8-16	EZ606701	4-6	MV597082	4-2	ZG371114	5-20
EA204772	11-10	EJ255093	9-58x	EZ614586	8-32x	MZ203646	11-2	ZG371114	9-28
EA204816	(8)-2	EJ255115	9-57	EZ615047	(1)-2	MZ203668	11-6	ZG456120	7-3
EA204838	11-7x	EJ350447	(1)-8	EZ615058	(3)-6	MZ302400	7-5	ZG466312	1-6
EA204851	(7)-2	EJ514607	9-13x	EZ615060	(1)-6	MZ314998	9-22	ZG466312	1-20
EA614621	8-54x	EL621167	11-11	EZ615071	(1)-7	MZ315000	9-24	ZG529211	6-33
EA614632	8-52x	EM558180	11-12	EZ621900	8-12x	MZ529391	6-36	ZG535105	9-32
EA615093	8-53x	EO208372	(6)-L1to4	EZ621900	9-61x	MZ582030	6-20	ZG540584	1-27
EA624521	8-49x	EO243977	(5)-L2to5	EZ624047	8-11x	MZ582030	9-27	ZG580768	6-21
EA624532	8-51x	EO243977	(8)-L1to4	EZ624047	11-23x	MZ596823	4-26	ZG614970	5-30
EA624554	8-47x	EO383365	(5)-T1	EZ626894	(3)-2	MZ597137	4-7	ZG625375	9-35
EA624565	8-48x	EO424866	(5)-L1	EZ631945	8-34	MZ597150	4-11	ZG625465	6-17
EA626411	9-49x	EO575482	(7)-L1	EZ638965	11-18x	MZ597172	4-10	ZG632553	5-7
EA628075	8-18	EP573658	6-1	EZ650913	(3)-9	MZ597690	3-4	ZG646020	4-16
EC207707	(6)-C1,2	EP616500	(3)-RL3	EZ684663	8-60x	MZ606723	5-17	ZS200395	5-36
EC207898	(5)-C24	EP621808	(5)-RL1,2	HA208348	1-23	MZ625151	9-11	ZS200698	12-23x
EC207898	(5)-C26	EP621808	(10)-RL1	HA533608	1-28	MZ625342	9-29	ZS201150	4-17
EC207898	(5)-C28	EP638763	(3)-RL1,2	HA549944	1-26	MZ625443	6-13	ZS201150	7-7
EC207898	(5)-C30	EP650081	9-1	HE563220	1-25	MZ625454	6-15	ZS201150	8-17x
EC208350	(4)-C10	ER207696	(4)-F1	HP513281	1-17	MZ625511	9-38	ZS201475	1-18
EC208350	(7)-C1	ER365016	8-7	HR565672	1-21	MZ625770	6-4	ZS201778	1-29
EC364858	8-6	ER376435	(3)-CR1to7	HZ203580	1-22	MZ625858	8-14x	ZS243516	6-24
EC419466	(3)-C5,6	ER376435	9-43	HZ203591	1-24	MZ626861	8-13	ZS324281	12-28x
EC461057	(5)-C31	ER392534	11-9x	HZ203736	1-12	MZ627210	9-14	ZS325495	7-4
EC496890	(5)-C15	ER427972	(5)-R34	HZ203747	1-2	MZ627265	5-25	ZS325495	8-9
EC536207	(4)-C11	ER554556	9-59	HZ315090	9-39	MZ630876	7-1	ZS325495	9-36x
EC536927	9-46x	ER563253	(3)-R6	HZ532686	1-7	MZ630922	9-4	ZS325495	11-1
EC551160	9-50	ER575640	8-10	HZ532710	1-5	MZ630944	6-27	ZS325495	12-24x
EC557166	(1)-C7	ER593370	8-62x	HZ532765	1-13	MZ631001	5-2	ZS327835	11-16
EC565896	9-51x	ER622045	(1)-R18	HZ532776	1-14	MZ631012	5-11	ZS344463	9-40
EC572771	(4)-C13	ES207685	(10)-SW1	MB606712	4-4	MZ647133	8-15x	ZS383951	8-43
EC572771	(5)-C9	ES207718	(7)-SW1	MB625566	9-54	MZ650046	3-2	ZS392141	12-20x
EC593763	8-8	ES207720	(8)-SW1	MC621887	9-41	MZ675652	8-45	ZS413201	1-8
EC641136	9-45	ES249974	5-14	MH257477	9-5	MZ698736	(6)-2	ZS413201	8-58x
EC663704	(5)-C11	ES479395	9-47	MH317373	9-16	MZ810191	5-26	ZS413201	9-8x
EC676721	(4)-C4	ES479485	8-42	MH527635	6-31	SA428714	12-27	ZS414044	1-11
EC676721	(4)-C17	ES499972	9-48x	MH528513	6-30	SB286931	12-12	ZS417216	2-16x
EC676721	(5)-C3	ES562465	5-31	MH533913	6-5	SB286920	12-11	ZS417216	9-25
EC676721	(5)-C10	ES573456	9-42	MH578957	1-3	SB286942	12-13	ZS417216	9-53
ED219464	(4)-D1	ES573478	6-28	MH581927	9-9	SB286953	12-14	ZS417216	12-26x
ED224548	(1)-D5to8	ET208012	(2)-TR8	MH615161	12-5x	SB640732	7-10	ZS421806	(1)-3
ED224550	(3)-D9to13	ET391768	(4)-TR1to3	MH625140	9-7	SB640743	7-11	ZS421806	(3)-3
ED224550	6-2x	ET393568	(3)-TR3	MH625162	4-24	SB643500	7-8	ZS421806	4-28
ED224550	9-2x	ET398711	(2)-TR1to7	MH625195	9-15	SB643577	7-9	ZS421806	8-20
ED357794	(1)-D2	ET398711	(2)-TR9	MI284444	4-18	SC627107	12-4	ZS422076	(1)-5
ED357794	(3)-D5	ET398711	(2)-TR11,12	ML203635	12-25x	SC627118	12-34	ZS422076	(3)-5
ED494583	(3)-D1to4	ET398711	(3)-TR2	ML228881	6-9	SE597161	4-12	ZS422076	4-25
ED522887	11-8x	ET398711	(4)-TR4	ML314976	9-18	SE613866	12-9	ZS422076	5-16
ED557447	(1)-D1	ET398711	(5)-TR1	ML396810	9-17	SE613888	12-8	ZS422076	6-3

INDEX

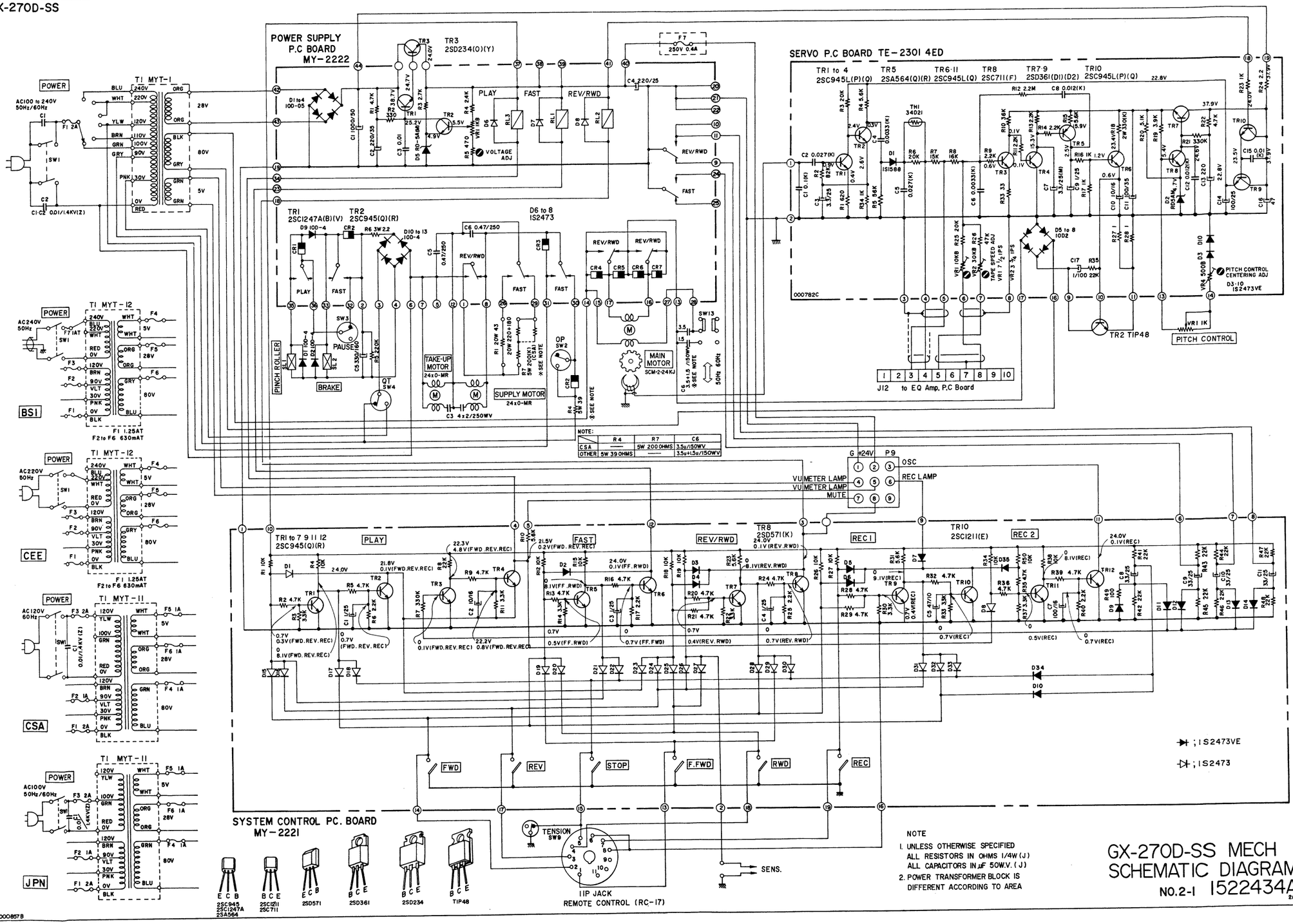
Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.
ZS422076	8-22	ZW562476	9-60x						
ZS422076	9-3	ZW575730	12-3x						
ZS422076	9-23	ZW580173	9-30						
ZS422076	11-3	ZW593212	4-27						
ZS422076	11-25x	ZW601075	4-13						
ZS422076	11-28x	ZW601075	5-27						
ZS422965	5-32	ZW603990	4-3						
ZS422965	9-44	ZW604012	4-9						
ZS424056	2-19	ZW621854	6-23						
ZS424056	8-4	ZW622001	6-37						
ZS424980	12-18x								
ZS432674	5-5								
ZS433315	2-18								
ZS447761	11-22								
ZS447840	8-46x								
ZS447840	12-44x								
ZS455207	8-33x								
ZS462925	8-55x								
ZS462947	1-31x								
ZS483502	5-15								
ZS483502	6-29								
ZS484828	4-15								
ZS499331	4-5								
ZS516205	(6)-3								
ZS558101	(3)-7								
ZS608477	1-16								
ZS608512	1-15								
ZS609298	(2)-2								
ZS613901	12-32								
ZS664345	12-31x								
ZS665550	12-30x								
ZS687137	4-19								
ZW259738	6-34								
ZW260010	9-37x								
ZW269785	1-34x								
ZW270088	2-9								
ZW270088	5-9								
ZW270088	6-6								
ZW270088	6-39								
ZW270088	9-6								
ZW270101	4-20								
ZW270101	5-29								
ZW270101	6-35								
ZW270134	6-14								
ZW273633	1-33x								
ZW273633	4-14								
ZW273688	1-32x								
ZW273756	(1)-4								
ZW273756	1-4								
ZW273756	(2)-3								
ZW273756	(3)-4								
ZW273756	5-33								
ZW273756	6-32								
ZW273756	8-21								
ZW273756	9-10x								
ZW273802	(2)-4								
ZW273802	(6)-4								
ZW273802	11-17x								
ZW273881	8-56x								
ZW273892	8-57x								
ZW273914	1-9								
ZW273914	6-11								
ZW286255	4-23x								
ZW290283	5-13								
ZW290283	9-20								
ZW334653	6-16								
ZW413188	8-5								
ZW413188	12-6x								
ZW413256	1-19								
ZW416698	6-12								
ZW416698	8-59x								
ZW416698	9-12x								
ZW419646	5-28								
ZW419646	12-29x								
ZW420682	9-31								
ZW438928	6-38								
ZW535094	5-35								
ZW550642	5-8								
ZW550642	6-8								
ZW562476	2-15x								

SECTION 3

SCHEMATIC DIAGRAM

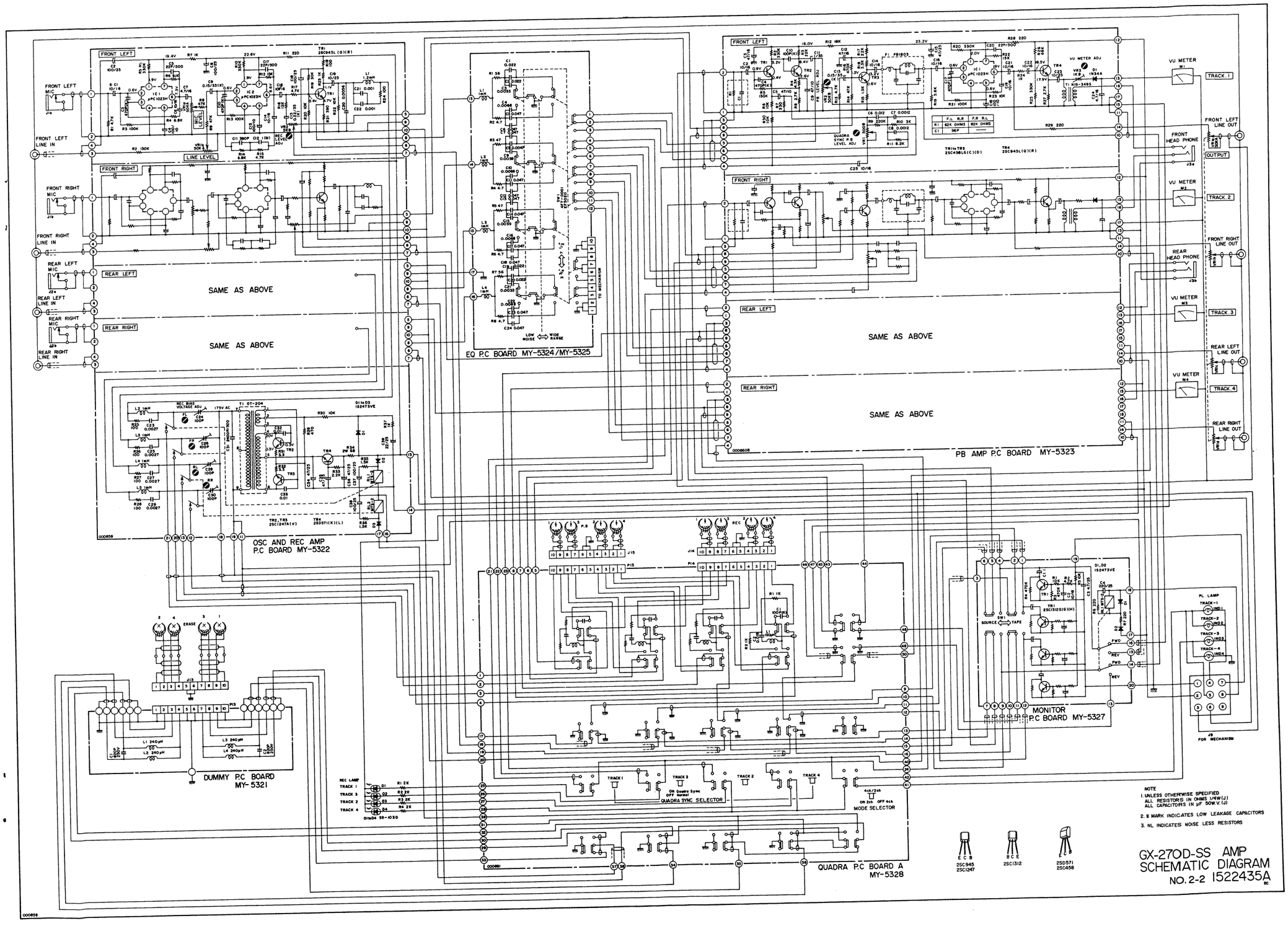
1. GX-270D-SS NO. 2-1 1522434A MECH SCHEMATIC DIAGRAM
2. GX-270D-SS NO. 2-2 1522435A AMP SCHEMATIC DIAGRAM

GX-270D-SS



GX-270D-SS MECH SCHEMATIC DIAGRAM

NO.2-1 1522434A 2C


FRONT LEFT
FRONT RIGHT
REAR LEFT
REAR RIGHT
SAME AS ABOVE
EQ P.C BOARD MY-5324/MY-5325
PB AMP P.C BOARD MY-5323
OSC AND REC AMP P.C BOARD MY-5322
DUMMY P.C BOARD MY-5321
QUADRA P.C BOARD A MY-5328
MONITOR P.C BOARD MY-5327
QUADRA SYNC SELECTOR
MODE SELECTOR
VU METER
TRACK. 1
TRACK. 2
TRACK. 3
TRACK. 4
FRONT HEAD PHONE
REAR HEAD PHONE
OUTPUT
FRONT LEFT LINE OUT
FRONT RIGHT LINE OUT
REAR LEFT LINE OUT
REAR RIGHT LINE OUT
FRONT LEFT LINE IN
FRONT RIGHT LINE IN
REAR LEFT LINE IN
REAR RIGHT LINE IN
FRONT LEFT MIC
FRONT RIGHT MIC
REAR LEFT MIC
REAR RIGHT MIC
LINE LEVEL
MIC LEVEL
REC LEVEL ADJ
VU METER ADJ
REC BIAS VOLTAGE ADJ
ERASE
PL LAMP
SOURCE ⇔ TAPE
FWD
REV
TO MECHANISM
J9 FOR MECHANISM
NOTE
1. UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/4W (J)
ALL CAPACITORS IN μF 50W.V.(J)
2. ※ MARK INDICATES LOW LEAKAGE CAPACITORS
3. NL INDICATES NOISE LESS RESISTORS
GX-270D-SS AMP
SCHEMATIC DIAGRAM
NO. 2-2 1522435A